

Anhang B

Auswertungen von Studie 3 mit Videograph

B.1 Aufgabe I Boîtes Noires

B.1.1 Gruppe AL_C_A1

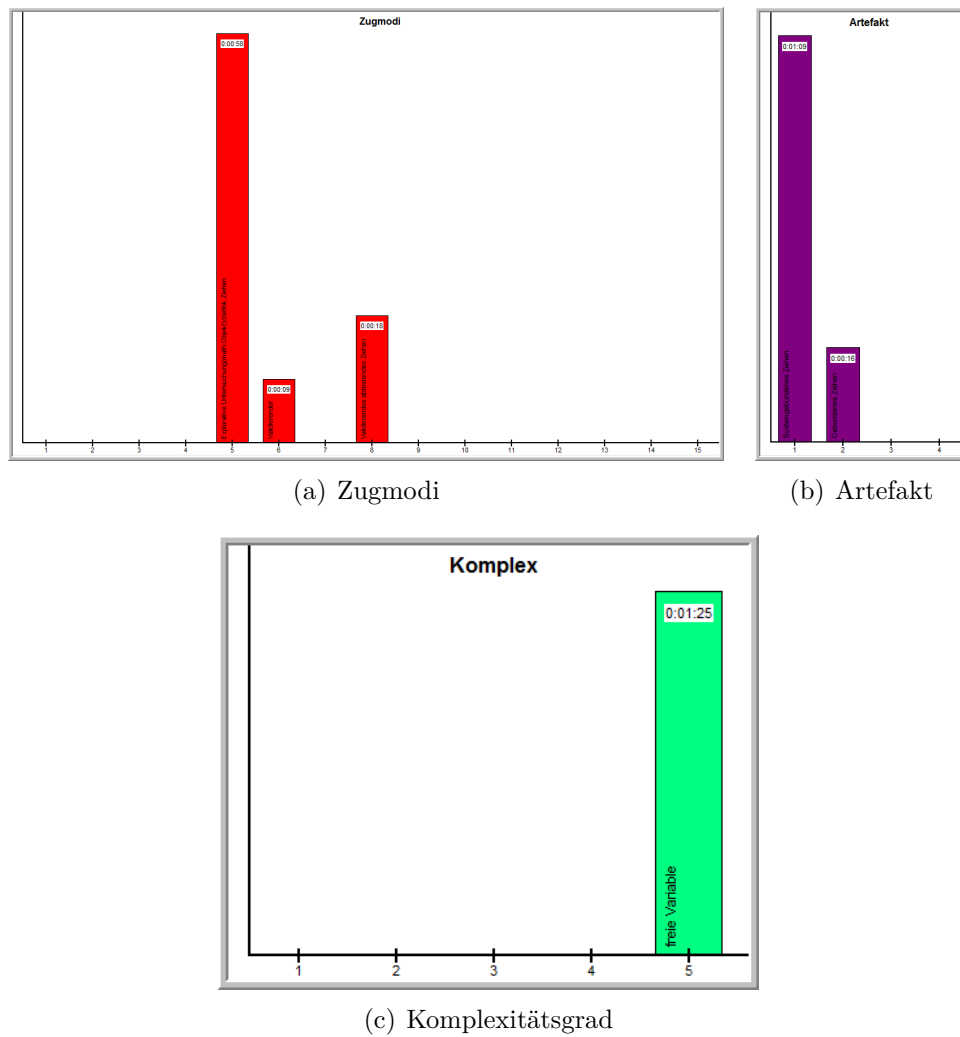


Abbildung 1: Auswertung des Zugverhaltens der Gruppe AL_C_A1

Tabelle 102: Auswertung der Gruppe AL_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:01:03	6	00:00:00	00:01:03	1	00:00:00	00:01:03	5
00:01:03	00:01:12		00:01:03	00:01:12		00:01:03	00:01:12	
00:01:12	00:03:42		00:01:12	00:03:42		00:01:12	00:03:42	
00:03:42	00:04:08	5	00:03:42	00:04:08	1	00:03:42	00:04:08	5
00:04:08	00:04:54		00:04:08	00:04:54		00:04:08	00:04:54	
00:04:54	00:05:00	8	00:04:54	00:05:00	1	00:04:54	00:05:00	5
00:05:00	00:05:48		00:05:00	00:05:48		00:05:00	00:05:48	
00:05:48	00:06:04	5	00:05:48	00:06:04	1	00:05:48	00:06:04	5
00:06:04	00:10:07		00:06:04	00:10:07		00:06:04	00:10:07	
00:10:07	00:10:12	8	00:10:07	00:10:12	1	00:10:07	00:10:12	5
00:10:12	00:12:40		00:10:12	00:12:40		00:10:12	00:12:40	
00:12:40	00:12:47	8	00:12:40	00:12:47	1	00:12:40	00:12:47	5
00:12:47	00:13:27		00:12:47	00:13:27		00:12:47	00:13:27	
00:13:27	00:13:36	5	00:13:27	00:13:36	2	00:13:27	00:13:36	5
00:13:36	00:14:59		00:13:36	00:14:59		00:13:36	00:14:59	
00:14:59	00:15:06	5	00:14:59	00:15:06	2	00:14:59	00:15:06	5
00:15:06	00:21:07		00:15:06	00:21:07		00:15:06	00:21:07	

Tabelle 103: Kodierte Zmodi d. Gruppe AL_C_A1; ges. Bearbeitzeit 950s

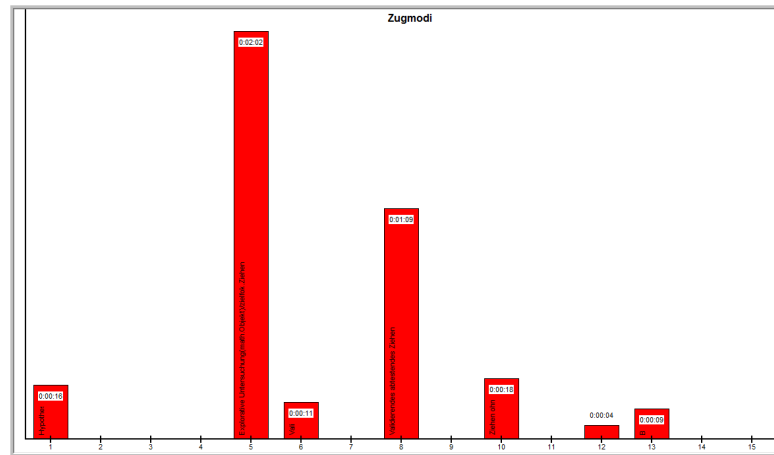
Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	58	0,061053	68,2%	6,1%
6	9	0,009474	10,6%	0,9%
7	0	0	0,0%	0,0%
8	18	0,018947	21,2%	1,9%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	0	0	0,0%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	85			

Tabelle 104: Verwendete Artefakteinschränkung der Gruppe AL_C_A1

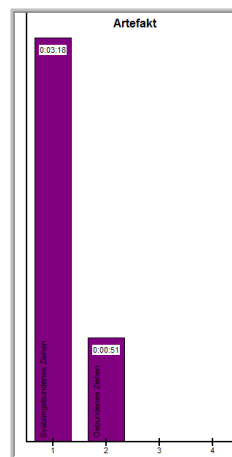
Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	69	0,811765	81,2%
2	16	0,188235	18,8%
3	0	0	0,0%
4	0	0	0,0%

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	0	0	0,0%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	85	1	100,0%

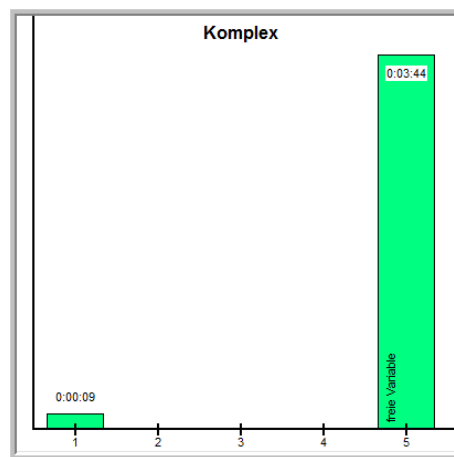
B.1.2 Gruppe BW_C_A1



(a) Zugmodi



(b) Artefakt



(c) Komplexitätsgrad

Abbildung 2: Auswertung des Zugverhaltens der Gruppe BW_C_A1
bla]

Tabelle 105: Auswertung der Gruppe BW_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:40		00:00:00	00:00:40		00:00:00	00:00:40	
00:00:40	00:00:46	8	00:00:40	00:00:46	1	00:00:40	00:00:46	5
00:00:46	00:01:52		00:00:46	00:01:52		00:00:46	00:01:52	
00:01:52	00:02:00	5	00:01:52	00:02:00	1	00:01:52	00:02:00	5
00:02:00	00:02:37		00:02:00	00:02:37		00:02:00	00:02:37	
00:02:37	00:02:42	5	00:02:37	00:02:42	1	00:02:37	00:02:42	5
00:02:42	00:03:42		00:02:42	00:03:42		00:02:42	00:03:42	
00:03:42	00:03:50	8	00:03:42	00:03:50	1	00:03:42	00:03:50	5
00:03:50	00:07:57		00:03:50	00:07:57		00:03:50	00:07:57	
00:07:57	00:08:07	8	00:07:57	00:08:07	1	00:07:57	00:08:07	5
00:08:07	00:08:20		00:08:07	00:08:20		00:08:07	00:08:20	
00:08:20	00:08:25	5	00:08:20	00:08:25	1	00:08:20	00:08:25	5
00:08:25	00:08:40		00:08:25	00:08:40		00:08:25	00:08:40	
00:08:40	00:08:43	5	00:08:40	00:08:43	2	00:08:40	00:08:43	5
00:08:43	00:08:48		00:08:43	00:08:48		00:08:43	00:08:48	
00:08:48	00:08:57	5	00:08:48	00:08:57	1	00:08:48	00:08:57	5
00:08:57	00:09:01		00:08:57	00:09:01		00:08:57	00:09:01	
00:09:01	00:09:05	12	00:09:01	00:09:05	1	00:09:01	00:09:17	5
00:09:05	00:09:11	6	00:09:05	00:09:11	1	00:09:17	00:10:29	
00:09:11	00:09:12		00:09:11	00:09:12		00:10:29	00:10:34	5
00:09:12	00:09:17	6	00:09:12	00:09:17	2	00:10:34	00:10:37	
00:09:17	00:10:29		00:09:17	00:10:29		00:10:37	00:10:43	5
00:10:29	00:10:34	8	00:10:29	00:10:34	1	00:10:43	00:11:19	
00:10:34	00:10:37		00:10:34	00:10:37		00:11:19	00:11:23	5
00:10:37	00:10:43	8	00:10:37	00:10:43	1	00:11:23	00:11:28	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:10:43	00:11:19		00:10:43	00:11:19		00:11:28	00:11:39	5
00:11:19	00:11:23	5	00:11:19	00:11:23	1	00:11:39	00:12:45	
00:11:23	00:11:28		00:11:23	00:11:28		00:12:45	00:12:56	5
00:11:28	00:11:39	5	00:11:28	00:11:39	1	00:12:56	00:13:32	
00:11:39	00:12:45		00:11:39	00:12:45		00:13:32	00:13:54	5
00:12:45	00:12:56	5	00:12:45	00:12:56	1	00:13:54	00:16:06	
00:12:56	00:13:32		00:12:56	00:13:32		00:16:06	00:16:12	5
00:13:32	00:13:54	5	00:13:32	00:13:54	1	00:16:12	00:17:17	
00:13:54	00:16:06		00:13:54	00:16:06		00:17:17	00:17:28	5
00:16:06	00:16:12	5	00:16:06	00:16:12	1	00:17:28	00:17:39	
00:16:12	00:17:17		00:16:12	00:17:17		00:17:39	00:17:48	1
00:17:17	00:17:28	8	00:17:17	00:17:28	1	00:17:48	00:18:31	
00:17:28	00:17:39		00:17:28	00:17:39		00:18:31	00:18:40	5
00:17:39	00:17:48	13	00:17:39	00:17:48	1	00:18:40	00:20:05	
00:17:48	00:18:31		00:17:48	00:18:31		00:20:05	00:20:19	5
00:18:31	00:18:40	5	00:18:31	00:18:40	1	00:20:19	00:20:40	
00:18:40	00:20:05		00:18:40	00:20:05		00:20:40	00:20:44	5
00:20:05	00:20:19	8	00:20:05	00:20:19	1	00:20:44	00:21:07	
00:20:19	00:20:40		00:20:19	00:20:40		00:21:07	00:21:12	5
00:20:40	00:20:44	10	00:20:40	00:20:44	1	00:21:12	00:21:19	
00:20:44	00:21:07		00:20:44	00:21:07		00:21:19	00:21:23	5
00:21:07	00:21:12	5	00:21:07	00:21:12	1	00:21:23	00:21:47	
00:21:12	00:21:19		00:21:12	00:21:19		00:21:47	00:21:54	5
00:21:19	00:21:23	5	00:21:19	00:21:23	1	00:21:54	00:21:56	
00:21:23	00:21:47		00:21:23	00:21:47		00:21:56	00:22:01	5
00:21:47	00:21:54	10	00:21:47	00:21:54	1	00:22:01	00:24:28	
00:21:54	00:21:56		00:21:54	00:21:56		00:24:28	00:24:32	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:21:56	00:22:01	1	00:21:56	00:22:01	1	00:24:32	00:27:47	
00:22:01	00:24:28		00:22:01	00:24:28		00:27:47	00:27:51	5
00:24:28	00:24:32	8	00:24:28	00:24:32	1	00:27:51	00:29:57	
00:24:32	00:25:21		00:24:32	00:25:21		00:29:57	00:29:59	5
00:25:21	00:25:32	1	00:25:21	00:25:32	2	00:29:59	00:30:32	
00:25:32	00:25:54		00:25:32	00:25:54		00:30:32	00:30:34	5
00:25:54	00:26:00	5	00:25:54	00:26:00	2	00:30:34	00:30:47	
00:26:00	00:27:47		00:26:00	00:27:47		00:30:47	00:30:55	5
00:27:47	00:27:51	5	00:27:47	00:27:51	2	00:30:55	00:31:38	
00:27:51	00:29:57		00:27:51	00:29:57		00:31:38	00:31:41	5
00:29:57	00:29:59	10	00:29:57	00:29:59	2	00:31:41	00:32:14	
00:29:59	00:30:32		00:29:59	00:30:32		00:32:14	00:32:16	5
00:30:32	00:30:34	5	00:30:32	00:30:34	2	00:32:16	00:35:23	
00:30:34	00:30:47		00:30:34	00:30:47		00:35:23	00:35:28	5
00:30:47	00:30:55	5	00:30:47	00:30:55	2	00:35:28	00:36:11	
00:30:55	00:31:38		00:30:55	00:31:38				
00:31:38	00:31:41	10	00:31:38	00:31:41	2			
00:31:41	00:32:14		00:31:41	00:32:14				
00:32:14	00:32:16	10	00:32:14	00:32:16	2			
00:32:16	00:35:23		00:32:16	00:35:23				
00:35:23	00:35:28	8	00:35:23	00:35:28	2			
00:35:28	00:36:11		00:35:28	00:36:11				

Tabelle 106: Kodierte Zmodi d. Gruppe BW_C_A1 ; ges.Bearbzeit 2025s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	16	0,007901	6,4%	0,8%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	122	0,060247	49,0%	6,0%
6	11	0,005432	4,4%	0,5%
7	0	0	0,0%	0,0%
8	69	0,034074	27,7%	3,4%
9	0	0	0,0%	0,0%
10	18	0,008889	7,2%	0,9%
11	0	0	0,0%	0,0%
12	4	0,001975	1,6%	0,2%
13	9	0,004444	3,6%	0,4%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	249			

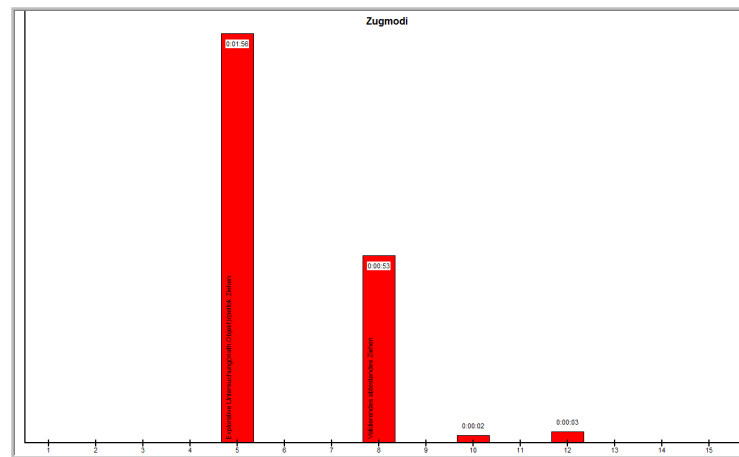
Tabelle 107: Verwendete Artefakteinschränkung der Gruppe BW_C_A1

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	198	0,795181	79,5%
2	51	0,204819	20,5%
3	0	0	0,0%
4	0	0	0,0%

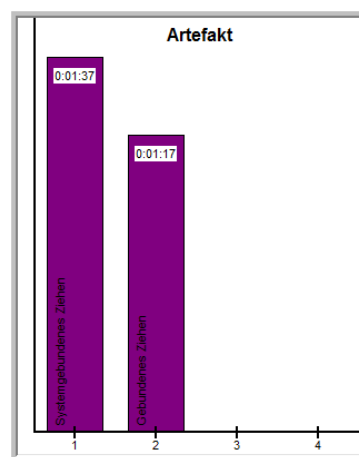
Tabelle 108: Verwendete Komplexitätsstufen der Gruppe BW_C_A1

Komplexitätsstufe	Gesamtzeit(s)	AnteilKomplexitätsstufe	AnteilKomplexitätsstufe
1	9	0,036145	3,6%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	224	0,899598	90,0%

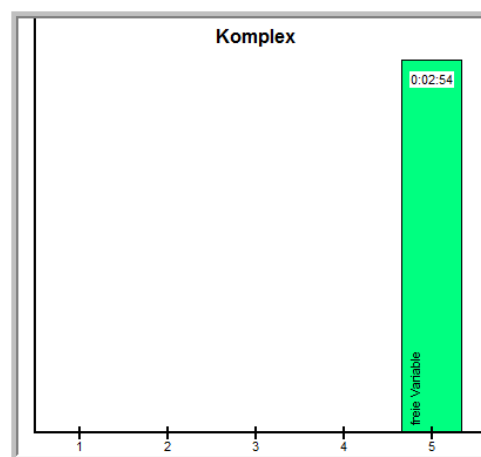
B.1.3 Gruppe BF_C_A1



(a) Zugmodi



(b) Artefakt



(c) Komplexitätsgrad

Abbildung 3: Auswertung des Zugverhaltens der Gruppe BF_C_A1

Tabelle 109: Auswertung der Gruppe BF_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:53		00:00:00	00:00:53		00:00:00	00:00:53	
00:00:53	00:00:59	8	00:00:53	00:01:18	1	00:00:53	00:01:18	5
00:00:59	00:01:05	8	00:01:18	00:01:22		00:01:18	00:01:22	
00:01:05	00:01:18	5	00:01:22	00:01:32	1	00:01:22	00:01:32	5
00:01:18	00:01:22		00:01:32	00:02:07		00:01:32	00:02:07	
00:01:22	00:01:32	8	00:02:07	00:02:14	1	00:02:07	00:02:14	5
00:01:32	00:02:07		00:02:14	00:02:22		00:02:14	00:02:22	
00:02:07	00:02:14	5	00:02:22	00:02:25	1	00:02:22	00:02:25	5
00:02:14	00:02:22		00:02:25	00:02:34		00:02:25	00:02:34	
00:02:22	00:02:25	12	00:02:34	00:02:46	1	00:02:34	00:02:46	5
00:02:25	00:02:34		00:02:46	00:02:48		00:02:46	00:02:48	
00:02:34	00:02:46	5	00:02:48	00:02:54	1	00:02:48	00:02:54	5
00:02:46	00:02:48		00:02:54	00:03:08		00:02:54	00:03:08	
00:02:48	00:02:54	5	00:03:08	00:03:16	2	00:03:08	00:03:16	5
00:02:54	00:03:08		00:03:16	00:03:42		00:03:16	00:03:42	
00:03:08	00:03:16	5	00:03:42	00:03:48	1	00:03:42	00:03:48	5
00:03:16	00:03:42		00:03:48	00:04:10		00:03:48	00:04:10	
00:03:42	00:03:48	8	00:04:10	00:04:15	1	00:04:10	00:04:15	5
00:03:48	00:04:10		00:04:15	00:04:25		00:04:15	00:04:25	
00:04:10	00:04:15	5	00:04:25	00:04:27	1	00:04:25	00:04:27	5
00:04:15	00:04:25		00:04:27	00:04:45		00:04:27	00:04:45	
00:04:25	00:04:27	5	00:04:45	00:05:01	2	00:04:45	00:05:01	5
00:04:27	00:04:45		00:05:01	00:08:23		00:05:01	00:08:23	
00:04:45	00:05:01	5	00:08:23	00:08:36	1	00:08:23	00:08:36	5
00:05:01	00:08:23		00:08:36	00:11:51		00:08:36	00:11:51	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:08:23	00:08:36	5	00:11:51	00:11:56	1	00:11:51	00:11:56	5
00:08:36	00:11:51		00:11:56	00:12:16		00:11:56	00:12:16	
00:11:51	00:11:56	5	00:12:16	00:12:19	1	00:12:16	00:12:19	5
00:11:56	00:12:16		00:12:19	00:21:42		00:12:19	00:21:42	
00:12:16	00:12:19	5	00:21:42	00:21:52	2	00:21:42	00:21:52	5
00:12:19	00:21:42		00:21:52	00:21:54		00:21:52	00:21:54	
00:21:42	00:21:52	5	00:21:54	00:22:00	2	00:21:54	00:22:00	5
00:21:52	00:21:54		00:22:00	00:22:07		00:22:00	00:22:07	
00:21:54	00:22:00	5	00:22:07	00:22:12	2	00:22:07	00:22:12	5
00:22:00	00:22:07		00:22:12	00:22:41		00:22:12	00:22:41	
00:22:07	00:22:12	5	00:22:41	00:22:46	2	00:22:41	00:22:46	5
00:22:12	00:22:41		00:22:46	00:26:13		00:22:46	00:26:13	
00:22:41	00:22:46	5	00:26:13	00:26:18	2	00:26:13	00:26:18	5
00:22:46	00:26:13		00:26:18	00:26:38		00:26:18	00:26:38	
00:26:13	00:26:18	8	00:26:38	00:26:40	2	00:26:38	00:26:40	5
00:26:18	00:26:38		00:26:40	00:27:30		00:26:40	00:27:30	
00:26:38	00:26:40	10	00:27:30	00:27:40	2	00:27:30	00:27:40	5
00:26:40	00:27:30		00:27:40	00:29:54		00:27:40	00:29:54	
00:27:30	00:27:40	8	00:29:54	00:29:58	2	00:29:54	00:29:58	5
00:27:40	00:29:54		00:29:58	00:31:00		00:29:58	00:31:00	
00:29:54	00:29:58	8	00:31:00	00:31:06	2	00:31:00	00:31:06	5
00:29:58	00:31:00		00:31:06	00:33:21		00:31:06	00:33:21	
00:31:00	00:31:06	8						
00:31:06	00:33:21							

Tabelle 110: Kodierte Zmodi d. Gruppe BF_C_A1 ; ges.Bearbzeit 1560s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	116	0,074359	66,7%	7,4%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	53	0,033974	30,5%	3,4%
9	0	0	0,0%	0,0%
10	2	0,001282	1,1%	0,1%
11	0	0	0,0%	0,0%
12	3	0,001923	1,7%	0,2%
13	0	0	0,0%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	174			

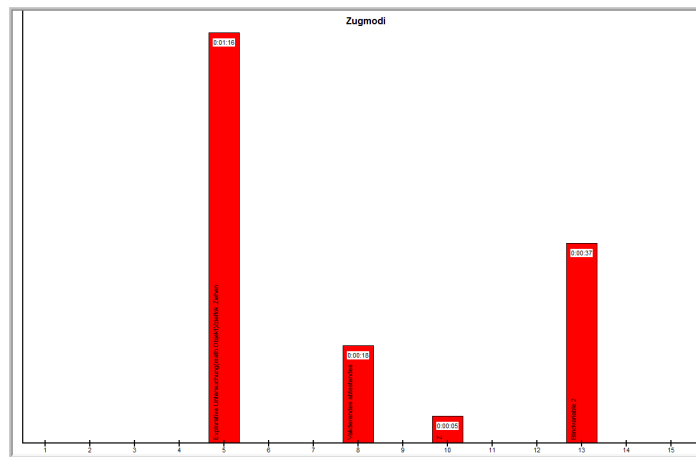
Tabelle 111: Verwendete Artefakteinschränkung der Gruppe BF_C_A1

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	97	0,557471	55,7%
2	77	0,442529	44,3%
3	0	0	0,0%
4	0	0	0,0%

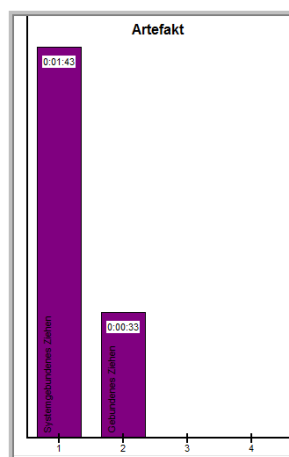
Tabelle 112: Verwendete Komplexitätsstufen der Gruppe BF_C_A1

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	0	0	0,0%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	174	1	100,0%

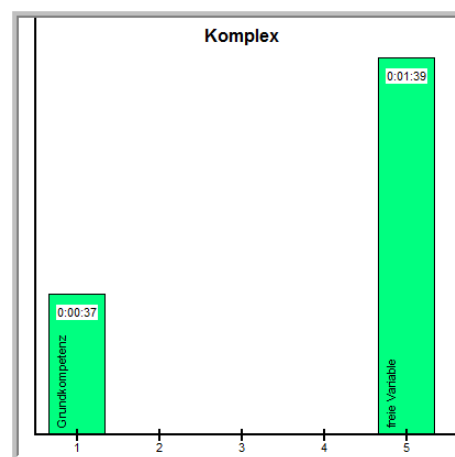
B.1.4 Gruppe DK1_C_A1



(a) Zugmodi



(b) Artefakt



(c) Komplexitätsgrad

Abbildung 4: Auswertung des Zugverhaltens der Gruppe DK1_C_A1

Tabelle 113: Auswertung der Gruppe DK1_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:43		00:00:00	00:00:43		00:00:00	00:00:43	
00:00:43	00:00:51	5	00:00:43	00:00:51	1	00:00:43	00:00:51	5
00:00:51	00:01:35		00:00:51	00:01:35		00:00:51	00:01:35	
00:01:35	00:01:40	8	00:01:35	00:01:40	1	00:01:35	00:01:40	5
00:01:40	00:01:47		00:01:40	00:01:47		00:01:40	00:01:47	
00:01:47	00:01:52	10	00:01:47	00:01:52	1	00:01:47	00:01:52	5
00:01:52	00:02:52		00:01:52	00:02:52		00:01:52	00:02:52	
00:02:52	00:03:00	5	00:02:52	00:03:00	1	00:02:52	00:03:00	5
00:03:00	00:05:03		00:03:00	00:05:03		00:03:00	00:05:03	
00:05:03	00:05:06	5	00:05:03	00:05:06	1	00:05:03	00:05:06	5
00:05:06	00:05:29		00:05:06	00:05:29		00:05:06	00:05:29	
00:05:29	00:05:49	5	00:05:29	00:05:49	1	00:05:29	00:05:49	5
00:05:49	00:07:15		00:05:49	00:07:15		00:05:49	00:07:15	
00:07:15	00:07:21	8	00:07:15	00:07:21	1	00:07:15	00:07:21	5
00:07:21	00:08:31		00:07:21	00:08:31		00:07:21	00:08:31	
00:08:31	00:08:36	5	00:08:31	00:08:36	2	00:08:31	00:08:36	5
00:08:36	00:11:10		00:08:36	00:11:10		00:08:36	00:11:10	
00:11:10	00:11:21	5	00:11:10	00:11:21	1	00:11:10	00:11:21	5
00:11:21	00:23:12		00:11:21	00:23:12		00:11:21	00:23:12	
00:23:12	00:23:19	8	00:23:12	00:23:19	2	00:23:12	00:23:19	5
00:23:19	00:28:47		00:23:19	00:28:47		00:23:19	00:28:47	
00:28:47	00:28:51	5	00:28:47	00:28:51	2	00:28:47	00:28:51	5
00:28:51	00:31:00		00:28:51	00:31:00		00:28:51	00:31:00	
00:31:00	00:31:04	5	00:31:00	00:31:04	2	00:31:00	00:31:04	5
00:31:04	00:33:54		00:31:04	00:33:54		00:31:04	00:33:54	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:33:54	00:34:20	13	00:33:54	00:34:20	1	00:33:54	00:34:20	1
00:34:20	00:36:10		00:34:20	00:36:10		00:34:20	00:36:10	
00:36:10	00:36:13	5	00:36:10	00:36:13	2	00:36:10	00:36:13	5
00:36:13	00:39:34		00:36:13	00:39:34		00:36:13	00:39:34	
00:39:34	00:39:38	5	00:39:34	00:39:38	2	00:39:34	00:39:38	5
00:39:38	00:41:09		00:39:38	00:41:09		00:39:38	00:41:09	
00:41:09	00:41:15	13	00:41:09	00:41:15	1	00:41:09	00:41:15	1
00:41:15	00:41:21		00:41:15	00:41:21		00:41:15	00:41:21	
00:41:21	00:41:26	13	00:41:21	00:41:26	1	00:41:21	00:41:26	1
00:41:26	00:41:32		00:41:26	00:41:32		00:41:26	00:41:32	
00:41:32	00:41:38	5	00:41:32	00:41:38	2	00:41:32	00:41:38	5
00:41:38	00:43:40		00:41:38	00:43:40		00:41:38	00:43:40	

Tabelle 114: Kodierte Zmodi d. Gruppe DK1_C_A1 ; ges.Bearbzeit 2440s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	76	0,031148	55,9%	7,4%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	18	0,007377	13,2%	3,4%
9	0	0	0,0%	0,0%
10	5	0,002049	3,7%	0,1%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,2%
13	37	0,015164	27,2%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	136			

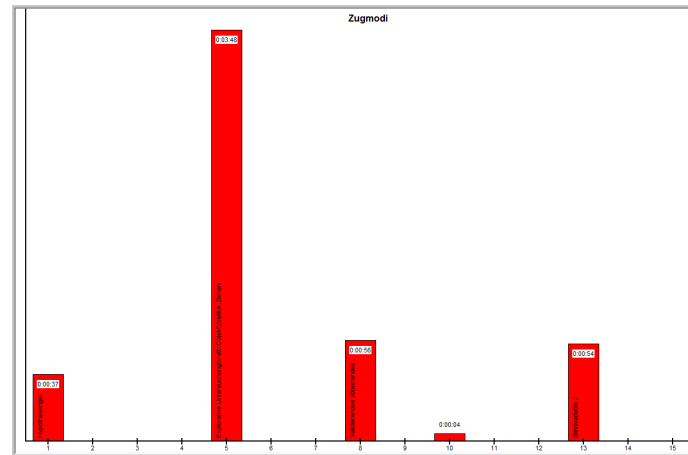
Tabelle 115: Verwendete Artefakteinschränkung der Gruppe DK1_C_A1

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	103	0,757353	55,7%
2	33	0,242647	44,3%
3	0	0	0,0%
4	0	0	0,0%

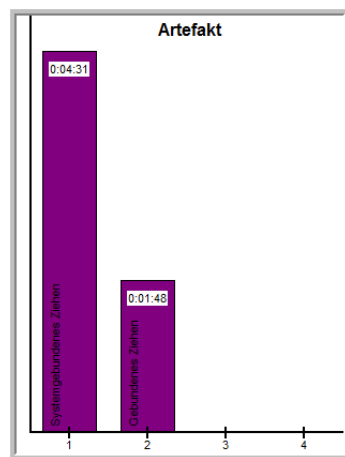
Tabelle 116: Verwendete Komplexitätsstufen der Gruppe DK1_C_A1

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	37	0,272059	27,2%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	99	0,727941	72,8%

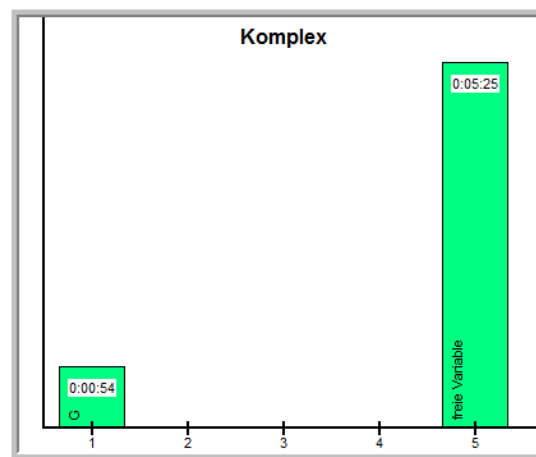
B.1.5 Gruppe DK2_C_A1



(a) Zugmodi



(b) Artefakt



(c) Komplexitätsgrad

Abbildung 5: Auswertung des Zugverhaltens der Gruppe DK2_C_A1

Tabelle 117: Auswertung der Gruppe DK2_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:09		00:00:00	00:00:09		00:00:00	00:00:09	
00:00:09	00:00:20	5	00:00:09	00:00:20	1	00:00:09	00:00:31	5
00:00:20	00:00:31	8	00:00:20	00:00:31	1	00:00:31	00:01:03	
00:00:31	00:01:03		00:00:31	00:01:03		00:01:03	00:01:09	5
00:01:03	00:01:09	8	00:01:03	00:01:09	1	00:01:09	00:03:44	
00:01:09	00:03:44		00:01:09	00:03:44		00:03:44	00:04:01	5
00:03:44	00:04:01	5	00:03:44	00:04:01	1	00:04:01	00:04:26	
00:04:01	00:04:26		00:04:01	00:04:26		00:04:26	00:04:29	5
00:04:26	00:04:29	5	00:04:26	00:04:29	1	00:04:29	00:04:42	
00:04:29	00:04:42		00:04:29	00:04:42		00:04:42	00:04:52	5
00:04:42	00:04:52	5	00:04:42	00:04:52	2	00:04:52	00:07:58	
00:04:52	00:07:58		00:04:52	00:07:58		00:07:58	00:08:07	1
00:07:58	00:08:07	13	00:07:58	00:08:07	1	00:08:07	00:08:10	
00:08:07	00:08:10		00:08:07	00:08:10		00:08:10	00:08:14	1
00:08:10	00:08:14	13	00:08:10	00:08:14	1	00:08:14	00:09:23	
00:08:14	00:09:23		00:08:14	00:09:23		00:09:23	00:09:29	5
00:09:23	00:09:29	5	00:09:23	00:09:29	2	00:09:29	00:10:20	
00:09:29	00:10:20		00:09:29	00:10:20		00:10:20	00:10:39	1
00:10:20	00:10:39	13	00:10:20	00:10:39	1	00:10:39	00:11:45	
00:10:39	00:11:45		00:10:39	00:11:45		00:11:45	00:12:05	5
00:11:45	00:12:05	5	00:11:45	00:12:05	1	00:12:05	00:12:08	
00:12:05	00:12:08		00:12:05	00:12:08		00:12:08	00:12:15	5
00:12:08	00:12:15	5	00:12:08	00:12:15	1	00:12:15	00:14:26	
00:12:15	00:14:26		00:12:15	00:14:26		00:14:26	00:14:34	1
00:14:26	00:14:34	13	00:14:26	00:14:34	1	00:14:34	00:17:06	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:14:34	00:17:06		00:14:34	00:17:06		00:17:06	00:17:13	5
00:17:06	00:17:13	5	00:17:06	00:17:13	1	00:17:13	00:19:03	
00:17:13	00:19:03		00:17:13	00:19:03		00:19:03	00:19:16	5
00:19:03	00:19:16	5	00:19:03	00:19:16	1	00:19:16	00:19:19	
00:19:16	00:19:19		00:19:16	00:19:19		00:19:19	00:19:46	5
00:19:19	00:19:46	5	00:19:19	00:19:46	1	00:19:46	00:20:17	
00:19:46	00:20:17		00:19:46	00:20:17		00:20:17	00:20:21	5
00:20:17	00:20:21	5	00:20:17	00:20:21	1	00:20:21	00:20:43	
00:20:21	00:20:43		00:20:21	00:20:43		00:20:43	00:20:48	5
00:20:43	00:20:48	5	00:20:43	00:20:48	1	00:20:48	00:20:56	
00:20:48	00:20:56		00:20:48	00:20:56		00:20:56	00:21:03	5
00:20:56	00:21:03	5	00:20:56	00:21:03	1	00:21:03	00:21:45	
00:21:03	00:21:45		00:21:03	00:21:45		00:21:45	00:21:48	5
00:21:45	00:21:48	5	00:21:45	00:21:48	1	00:21:48	00:22:13	
00:21:48	00:22:13		00:21:48	00:22:13		00:22:13	00:22:35	5
00:22:13	00:22:35	5	00:22:13	00:22:35	1	00:22:35	00:22:39	
00:22:35	00:22:39		00:22:35	00:22:39		00:22:39	00:22:48	5
00:22:39	00:22:48	5	00:22:39	00:22:48	1	00:22:48	00:23:06	
00:22:48	00:23:06		00:22:48	00:23:06		00:23:06	00:23:10	5
00:23:06	00:23:10	10	00:23:06	00:23:10	1	00:23:10	00:23:32	
00:23:10	00:23:32		00:23:10	00:23:32		00:23:32	00:23:36	5
00:23:32	00:23:36	5	00:23:32	00:23:36	1	00:23:36	00:25:08	
00:23:36	00:25:08		00:23:36	00:25:08		00:25:08	00:25:25	5
00:25:08	00:25:25	8	00:25:08	00:25:25	1	00:25:25	00:25:30	
00:25:25	00:25:30		00:25:25	00:25:30		00:25:30	00:25:33	5
00:25:30	00:25:33	8	00:25:30	00:25:33	1	00:25:33	00:25:50	
00:25:33	00:25:50		00:25:33	00:25:50		00:25:50	00:25:56	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:25:50	00:25:56	5	00:25:50	00:25:56	1	00:25:56	00:26:06	
00:25:56	00:26:06		00:25:56	00:26:06		00:26:06	00:26:14	5
00:26:06	00:26:14	5	00:26:06	00:26:14	1	00:26:14	00:27:36	
00:26:14	00:27:36		00:26:14	00:27:36		00:27:36	00:27:45	1
00:27:36	00:27:45	13	00:27:36	00:27:45	1	00:27:45	00:28:06	
00:27:45	00:28:06		00:27:45	00:28:06		00:28:06	00:28:09	5
00:28:06	00:28:09	8	00:28:06	00:28:09	1	00:28:09	00:29:21	
00:28:09	00:29:21		00:28:09	00:29:21		00:29:21	00:29:23	5
00:29:21	00:29:23	5	00:29:21	00:29:23	2	00:29:23	00:29:31	
00:29:23	00:29:31		00:29:23	00:29:31		00:29:31	00:29:37	5
00:29:31	00:29:37	5	00:29:31	00:29:37	2	00:29:37	00:30:42	
00:29:37	00:30:42		00:29:37	00:30:42		00:30:42	00:30:45	5
00:30:42	00:30:45	5	00:30:42	00:30:45	2	00:30:45	00:31:22	
00:30:45	00:31:22		00:30:45	00:31:22		00:31:22	00:31:25	5
00:31:22	00:31:25	5	00:31:22	00:31:25	2	00:31:25	00:33:07	
00:31:25	00:33:07		00:31:25	00:33:07		00:33:07	00:33:24	5
00:33:07	00:33:24	5	00:33:07	00:33:24	2	00:33:24	00:33:39	
00:33:24	00:33:39		00:33:24	00:33:39		00:33:39	00:34:01	5
00:33:39	00:34:01	1	00:33:39	00:34:01	2	00:34:01	00:36:44	
00:34:01	00:36:44		00:34:01	00:36:44		00:36:44	00:36:50	5
00:36:44	00:36:50	5	00:36:44	00:36:50	2	00:36:50	00:36:55	
00:36:50	00:36:55		00:36:50	00:36:55		00:36:55	00:36:57	5
00:36:55	00:36:57	5	00:36:55	00:36:57	2	00:36:57	00:37:23	
00:36:57	00:37:23		00:36:57	00:37:23		00:37:23	00:37:38	5
00:37:23	00:37:38	1	00:37:23	00:37:38	2	00:37:38	00:40:02	
00:37:38	00:40:02		00:37:38	00:40:02		00:40:02	00:40:07	1
00:40:02	00:40:07	13	00:40:02	00:40:07	1	00:40:07	00:45:48	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:40:07	00:45:48		00:40:07	00:45:48		00:45:48	00:45:51	5
00:45:48	00:45:51	8	00:45:48	00:45:51	2	00:45:51	00:46:31	
00:45:51	00:46:31		00:45:51	00:46:31		00:46:31	00:46:35	5
00:46:31	00:46:35	8	00:46:31	00:46:35	2	00:46:35	00:47:10	
00:46:35	00:47:10		00:46:35	00:47:10		00:47:10	00:47:19	5
00:47:10	00:47:19	8	00:47:10	00:47:19	2	00:47:19	00:50:46	
00:47:19	00:50:46		00:47:19	00:50:46				

Tabelle 118: Kodierte Zmodi d. Gruppe DK2_C_A1 ; ges.Bearbzeit 2765s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	37	0,013382	9,8%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	228	0,082459	60,2%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	56	0,020253	14,8%	0,0%
9	0	0	0,0%	0,0%
10	4	0,001447	1,1%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	54	0,01953	14,2%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	379			

Tabelle 119: Verwendete Artefakteinschränkung der Gruppe DK2_C_A1

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	271	0,71504	71,5%
2	108	0,28496	28,5%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 120: Verwendete Komplexitätsstufen der Gruppe DK2_C_A1

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	54	0,14248	14,2%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	325	0,85752	85,8%

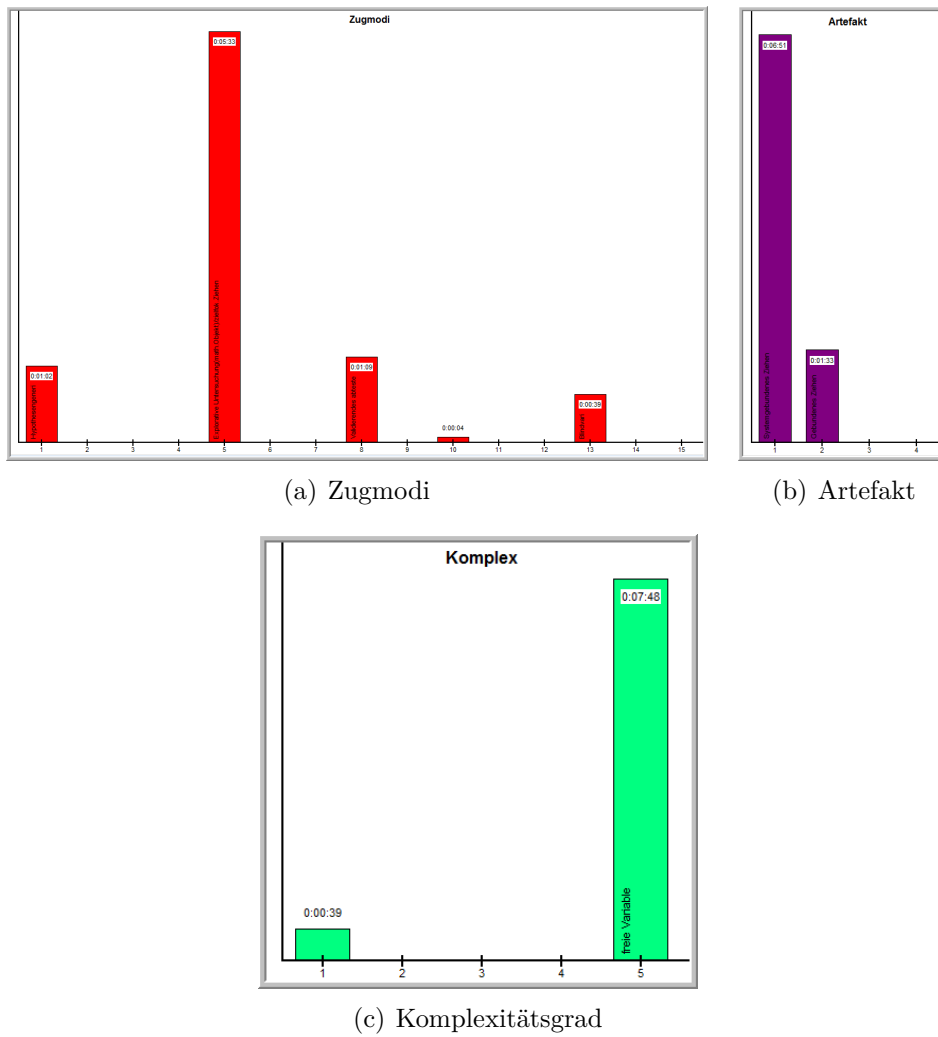
B.1.6 Gruppe FH_C_A1

Abbildung 6: Auswertung des Zugverhaltens der Gruppe FH_C_A1

Tabelle 121: Auswertung der Gruppe FH_C_A1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:01:17		00:00:00	00:01:17		00:00:00	00:01:17	
00:01:17	00:01:24	8	00:01:17	00:01:24	1	00:01:17	00:01:24	5
00:01:24	00:02:34		00:01:24	00:02:34		00:01:24	00:02:34	
00:02:34	00:03:06	5	00:02:34	00:03:06	1	00:02:34	00:03:06	5
00:03:06	00:06:08		00:03:06	00:06:08		00:03:06	00:06:08	
00:06:08	00:06:12	5	00:06:08	00:06:12	1	00:06:08	00:06:12	5
00:06:12	00:06:20		00:06:12	00:06:20		00:06:12	00:06:20	
00:06:20	00:06:37	5	00:06:20	00:06:37	1	00:06:20	00:06:37	5
00:06:37	00:06:41		00:06:37	00:06:41		00:06:37	00:06:41	
00:06:41	00:06:49	5	00:06:41	00:06:49	1	00:06:41	00:06:49	5
00:06:49	00:07:01		00:06:49	00:07:01		00:06:49	00:07:01	
00:07:01	00:07:45	5	00:07:01	00:07:45	1	00:07:01	00:07:45	5
00:07:45	00:08:40		00:07:45	00:08:40		00:07:45	00:08:40	
00:08:40	00:08:48	8	00:08:40	00:08:48	1	00:08:40	00:08:48	5
00:08:48	00:09:42		00:08:48	00:09:42		00:08:48	00:09:42	
00:09:42	00:09:52	5	00:09:42	00:09:52	1	00:09:42	00:09:52	5
00:09:52	00:11:58		00:09:52	00:11:58		00:09:52	00:11:58	
00:11:58	00:12:11	8	00:11:58	00:12:11	1	00:11:58	00:12:11	5
00:12:11	00:12:30		00:12:11	00:12:30		00:12:11	00:12:30	
00:12:30	00:12:37	8	00:12:30	00:12:37	1	00:12:30	00:12:37	5
00:12:37	00:13:20		00:12:37	00:13:20		00:12:37	00:13:20	
00:13:20	00:13:23	5	00:13:20	00:13:23	1	00:13:20	00:13:23	5
00:13:23	00:14:17		00:13:23	00:14:17		00:13:23	00:14:17	
00:14:17	00:14:36	5	00:14:17	00:14:36	1	00:14:17	00:14:36	5
00:14:36	00:14:43		00:14:36	00:14:43		00:14:36	00:14:43	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:14:43	00:14:48	5	00:14:43	00:14:48	1	00:14:43	00:14:48	5
00:14:48	00:17:19		00:14:48	00:17:19		00:14:48	00:17:19	
00:17:19	00:17:55	5	00:17:19	00:17:55	1	00:17:19	00:17:55	5
00:17:55	00:18:30		00:17:55	00:18:30		00:17:55	00:18:30	
00:18:30	00:18:40	13	00:18:30	00:18:40	1	00:18:30	00:18:40	1
00:18:40	00:18:41		00:18:40	00:18:41		00:18:40	00:18:41	
00:18:41	00:19:00	13	00:18:41	00:19:00	1	00:18:41	00:19:00	1
00:19:00	00:20:22		00:19:00	00:20:22		00:19:00	00:20:22	
00:20:22	00:20:32	13	00:20:22	00:20:32	1	00:20:22	00:20:32	1
00:20:32	00:21:56		00:20:32	00:21:56		00:20:32	00:21:56	
00:21:56	00:22:04	5	00:21:56	00:22:04	1	00:21:56	00:22:04	5
00:22:04	00:22:22		00:22:04	00:22:22		00:22:04	00:22:22	
00:22:22	00:22:47	5	00:22:22	00:22:47	1	00:22:22	00:22:47	5
00:22:47	00:24:06		00:22:47	00:24:06		00:22:47	00:24:06	
00:24:06	00:24:15	5	00:24:06	00:24:15	1	00:24:06	00:24:15	5
00:24:15	00:24:29		00:24:15	00:24:29		00:24:15	00:24:29	
00:24:29	00:24:49	5	00:24:29	00:24:49	1	00:24:29	00:24:49	5
00:24:49	00:26:36		00:24:49	00:26:36		00:24:49	00:26:36	
00:26:36	00:26:47	5	00:26:36	00:26:47	2	00:26:36	00:26:47	5
00:26:47	00:26:51		00:26:47	00:26:51		00:26:47	00:26:51	
00:26:51	00:26:55	5	00:26:51	00:26:55	2	00:26:51	00:26:55	5
00:26:55	00:27:43		00:26:55	00:27:43		00:26:55	00:27:43	
00:27:43	00:27:46	5	00:27:43	00:27:46	2	00:27:43	00:27:46	5
00:27:46	00:27:51		00:27:46	00:27:51		00:27:46	00:27:51	
00:27:51	00:27:55	5	00:27:51	00:27:55	2	00:27:51	00:27:55	5
00:27:55	00:27:59		00:27:55	00:27:59		00:27:55	00:27:59	
00:27:59	00:28:02	5	00:27:59	00:28:02	2	00:27:59	00:28:02	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:28:02	00:31:04		00:28:02	00:31:04		00:28:02	00:31:04	
00:31:04	00:31:26	1	00:31:04	00:31:26	2	00:31:04	00:31:26	5
00:31:26	00:31:55		00:31:26	00:31:55		00:31:26	00:31:55	
00:31:55	00:32:00	1	00:31:55	00:32:00	2	00:31:55	00:32:00	5
00:32:00	00:32:05		00:32:00	00:32:05		00:32:00	00:32:05	
00:32:05	00:32:12	1	00:32:05	00:32:12	2	00:32:05	00:32:12	5
00:32:12	00:35:21		00:32:12	00:35:21		00:32:12	00:35:21	
00:35:21	00:35:24	1	00:35:21	00:35:24	2	00:35:21	00:35:24	5
00:35:24	00:37:02		00:35:24	00:37:02		00:35:24	00:37:02	
00:37:02	00:37:12	1	00:37:02	00:37:12	2	00:37:02	00:37:12	5
00:37:12	00:37:17		00:37:12	00:37:57		00:37:12	00:37:17	
00:37:17	00:37:20	1	00:37:57	00:38:04	2	00:37:17	00:37:20	5
00:37:20	00:37:57		00:38:04	00:38:30		00:37:20	00:37:57	
00:37:57	00:38:04	1	00:38:30	00:38:35	2	00:37:57	00:38:04	5
00:38:04	00:38:30		00:38:35	00:41:39		00:38:04	00:38:30	
00:38:30	00:38:35	1	00:41:39	00:41:44	2	00:38:30	00:38:35	5
00:38:35	00:41:39		00:41:44	00:42:56		00:38:35	00:41:39	
00:41:39	00:41:44	8	00:42:56	00:43:00	2	00:41:39	00:41:44	5
00:41:44	00:42:56		00:43:00	00:49:24		00:41:44	00:42:56	
00:42:56	00:43:00	10	00:49:24	00:49:45	1	00:42:56	00:43:00	5
00:43:00	00:49:24		00:49:45	00:51:13		00:43:00	00:49:24	
00:49:24	00:49:45	5	00:51:13	00:51:31	1	00:49:24	00:49:45	5
00:49:45	00:51:13		00:51:31	00:51:42		00:49:45	00:51:13	
00:51:13	00:51:31	5	00:51:42	00:52:11	1	00:51:13	00:51:31	5
00:51:31	00:51:42		00:52:11	00:53:17		00:51:31	00:51:42	
00:51:42	00:52:11	5	00:53:17	00:53:26	1	00:51:42	00:52:11	5
00:52:11	00:53:17		00:53:26	00:53:57		00:52:11	00:53:17	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:53:17	00:53:26	8	00:53:57	00:54:02	1	00:53:17	00:53:26	5
00:53:26	00:53:57		00:54:02	00:55:48		00:53:26	00:53:57	
00:53:57	00:54:02	8	00:55:48	00:55:59	1	00:53:57	00:54:02	5
00:54:02	00:55:48		00:55:59	00:56:13		00:54:02	00:55:48	
00:55:48	00:55:59	8	00:56:13	00:56:17	1	00:55:48	00:55:59	5
00:55:59	00:56:13		00:56:17	01:01:20		00:55:59	00:56:13	
00:56:13	00:56:17	8				00:56:13	00:56:17	5
00:56:17	01:01:20					00:56:17	01:01:20	

Tabelle 122: Kodierte Zmodi d. Gruppe FH_C_A1 ; ges.Bearbzeit 3235s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	62	0,019165	12,2%	1,9%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	333	0,102937	65,7%	10,3%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	69	0,021329	13,6%	2,1%
9	0	0	0,0%	0,0%
10	4	0,001236	0,8%	0,1%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	39	0,012056	7,7%	1,2%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	507			

Tabelle 123: Verwendete Artefakteinschränkung der Gruppe FH_C_A1

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	411	0,810651	81,1%
2	93	0,183432	18,3%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 124: Verwendete Komplexitätsstufen der Gruppe FH_C_A1

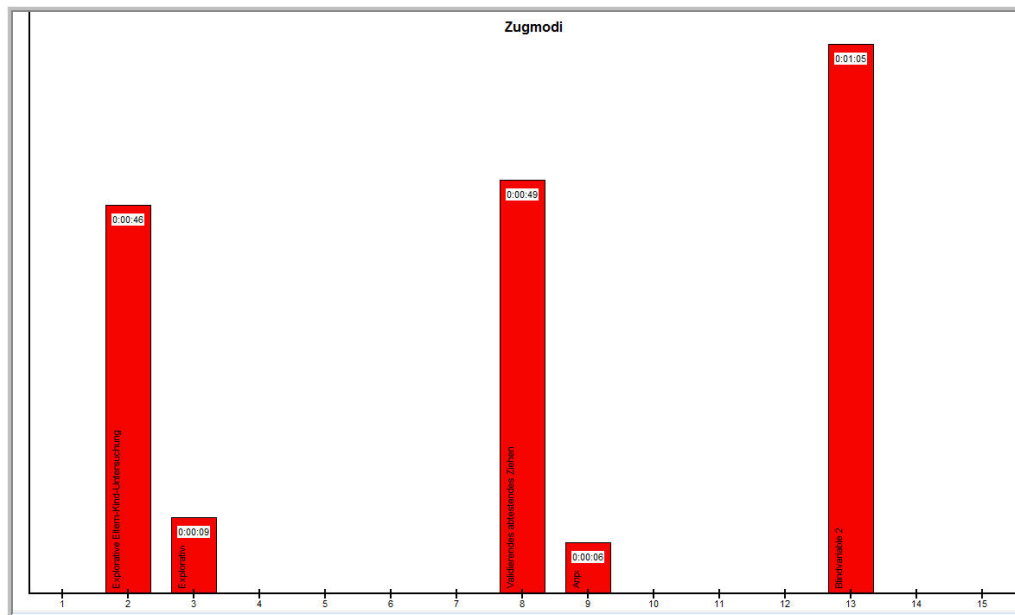
Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	39	0,076923	7,7%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%
5	468	0,923077	92,3%

B.2 Aufgabe II Tetraederkonstruktion

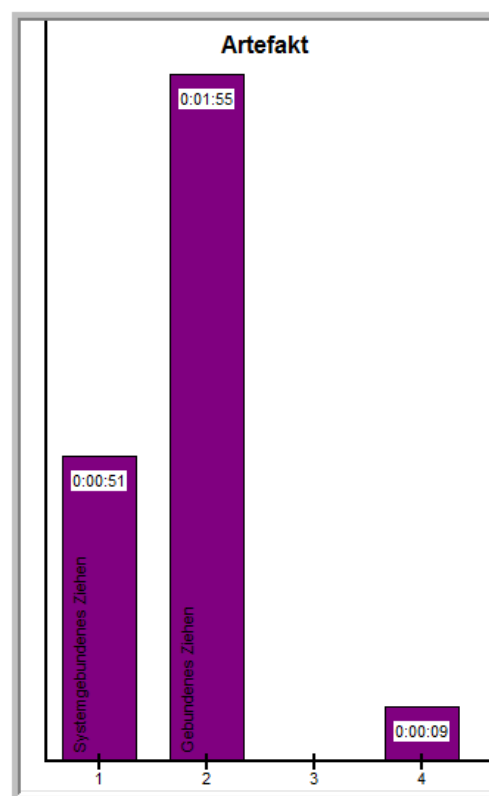
B.2.1 Gruppe AL_C_A2

Tabelle 125: Auswertung der Gruppe AL_C_A2

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:05:38		00:00:00	00:05:38	
00:05:38	00:05:56	13	00:05:38	00:05:56	1
00:05:56	00:07:50		00:05:56	00:07:50	
00:07:50	00:08:16	13	00:07:50	00:08:16	1
00:08:16	00:11:47		00:08:16	00:11:47	
00:11:47	00:11:53	9	00:11:47	00:11:53	2
00:11:53	00:12:02		00:11:53	00:12:02	
00:12:02	00:12:08	8	00:12:02	00:12:08	2
00:12:08	00:14:31		00:12:08	00:14:31	
00:14:31	00:14:38	13	00:14:31	00:14:38	1
00:14:38	00:14:41		00:14:38	00:14:41	
00:14:41	00:14:47	13	00:14:41	00:14:47	2
00:14:47	00:15:21		00:14:47	00:15:21	
00:15:21	00:15:29	13	00:15:21	00:15:29	2
00:15:29	00:16:55		00:15:29	00:16:55	
00:16:55	00:17:15	8	00:16:55	00:17:15	2
00:17:15	00:17:55		00:17:15	00:17:55	
00:17:55	00:18:04	3	00:17:55	00:18:04	4
00:18:04	00:18:33		00:18:04	00:18:33	
00:18:33	00:18:56	8	00:18:33	00:18:56	2
00:18:56	00:19:29	2	00:18:56	00:19:29	2
00:19:29	00:19:49		00:19:29	00:19:49	
00:19:49	00:20:02	2	00:19:49	00:20:02	2
00:20:02	00:23:17		00:20:02	00:23:17	



(a) Zugmodi



(b) Artefakteinschränkung

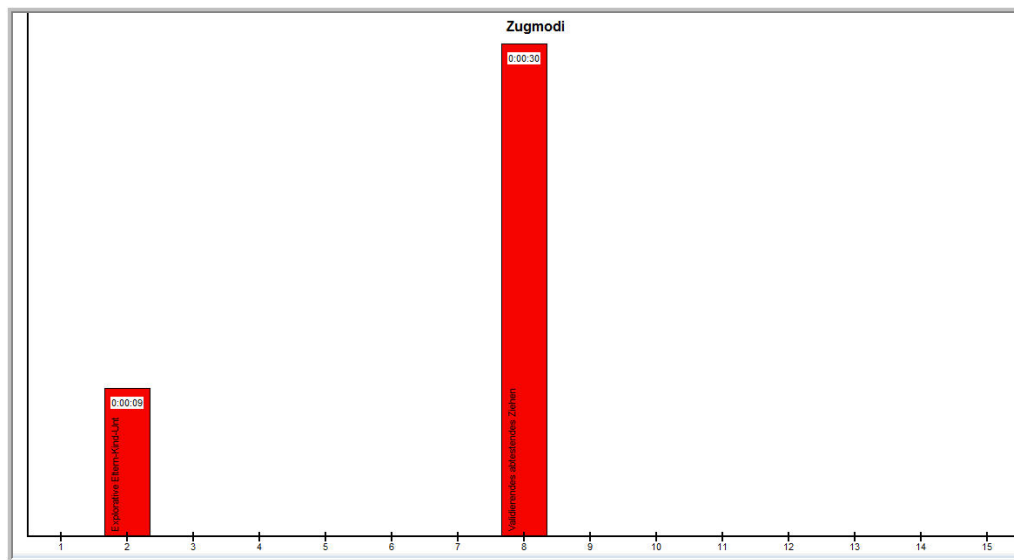
Abbildung 7: Auswertung des Zugverhaltens der Gruppe AL_C_A2

Tabelle 126: Kodierte Zmodi d. Gruppe AL_C_A2 ; ges.Bearbzeit 1200s

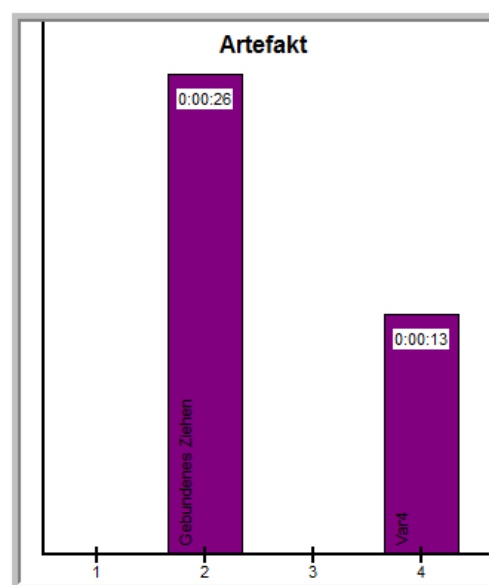
Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	46	25,0%
3	9	4,9%
4	0	0,0%
5	0	0,0%
6	9	4,9%
7	0	0,0%
8	49	26,6%
9	6	3,3%
10	0	0,0%
11	0	0,0%
12	0	0,0%
13	65	35,3%
14	0	0,0%
15	0	0,0%
Summe:	184	

Tabelle 127: Verwendete Artefakteinschränkung der Gruppe AL_C_A2

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	51	0,277174	27,7%
2	115	0,625	62,5%
3	0	0	0,0%
4	9	0,048913	4,9%

B.2.2 Gruppe BW_C_A2

(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 8: Auswertung des Zugverhaltens der Gruppe BW_C_A2

Tabelle 128: Auswertung der Gruppe BW_C_A2

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:08:16		00:00:00	00:08:16	
00:08:16	00:08:26	8	00:08:16	00:08:26	4
00:08:26	00:08:39	8	00:08:26	00:08:39	2
00:08:39	00:09:00		00:08:39	00:09:00	
00:09:00	00:09:04	2	00:09:00	00:09:04	2
00:09:04	00:09:10		00:09:04	00:09:10	
00:09:10	00:09:15	2	00:09:10	00:09:15	2
00:09:15	00:18:18		00:09:15	00:18:18	
00:18:18	00:18:21	8	00:18:18	00:18:21	4
00:18:21	00:18:22		00:18:21	00:18:22	
00:18:22	00:18:26	8	00:18:22	00:18:26	2
00:18:26	00:22:00		00:18:26	00:22:00	

Tabelle 129: Kodierte Zmodi d. Gruppe BW_C_A2 ; ges.Bearbzeit 1165s

Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	9	16,7%
3	0	0,0%
4	0	0,0%
5	0	0,0%
6	9	16,7%
7	0	0,0%
8	30	55,6%
9	6	11,1%
10	0	0,0%
11	0	0,0%
12	0	0,0%
13	0	0,0%
14	0	0,0%
15	0	0,0%
Summe:	54	

B.2.3 Gruppe BF_C_A2

Tabelle 130: Verwendete Artefakteinschränkung der Gruppe BW_C_A2

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	26	0,481481	48,1%
3	0	0	0,0%
4	13	0,240741	24,1%

Tabelle 131: Auswertung der Gruppe BF_C_A2

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:01:08		00:00:00	00:01:08	
00:01:08	00:01:20	10	00:01:08	00:01:20	2
00:01:20	00:04:14		00:01:20	00:04:14	
00:04:14	00:04:28	9	00:04:14	00:04:28	1
00:04:28	00:10:53		00:04:28	00:04:53	
00:10:53	00:11:07	13	00:04:53	00:05:00	1
00:11:07	00:11:30		00:05:00	00:10:53	
00:11:30	00:11:38	13	00:10:53	00:11:07	1
00:11:38	00:14:14		00:11:07	00:11:30	
00:14:14	00:14:27	13	00:11:30	00:11:38	1
00:14:27	00:15:01		00:11:38	00:14:14	
00:15:01	00:15:31	13	00:14:14	00:14:27	1
00:15:31	00:16:40		00:14:27	00:15:01	
00:16:40	00:16:46	8	00:15:01	00:15:31	1
00:16:46	00:18:21		00:15:31	00:16:40	
00:18:21	00:18:41	8	00:16:40	00:16:46	2
00:18:41	00:21:47		00:16:46	00:18:21	
00:21:47	00:21:55	10	00:18:21	00:18:41	2
00:21:55	00:26:56		00:18:41	00:21:47	
00:26:56	00:27:10	13	00:21:47	00:21:55	2
00:27:10	00:35:04		00:21:55	00:26:56	
00:35:04	00:35:21	8	00:26:56	00:27:10	2
00:35:21	00:38:10		00:27:10	00:35:04	
00:38:10	00:38:17	8	00:35:04	00:35:12	4
00:38:17	00:38:40		00:35:12	00:35:21	2
00:38:40	00:38:59	8	00:35:21	00:38:10	
00:38:59	00:39:04		00:38:10	00:38:17	2
00:39:04	00:39:15	8	00:38:17	00:38:40	
00:39:15	00:39:19		00:38:40	00:38:59	4
00:39:19	00:39:26	8	00:38:59	00:39:04	

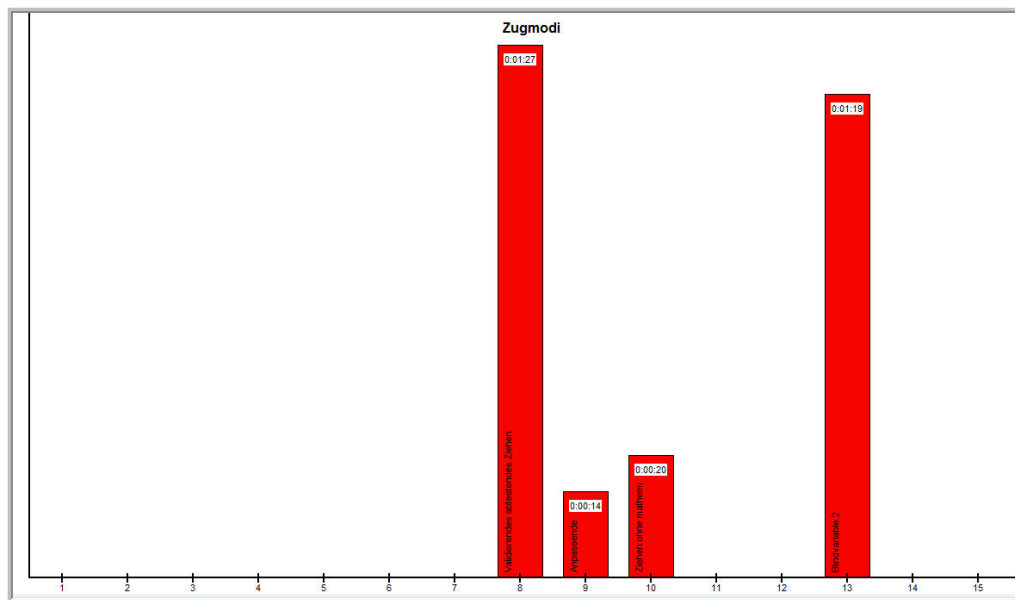
begin	end	Zugmodi	begin	end	Aeinschränkung
00:39:26	00:48:49		00:39:04	00:39:15	2
			00:39:15	00:39:19	
			00:39:19	00:39:26	4
			00:39:26	00:48:49	

Tabelle 132: Kodierte Zmodi d. Gruppe BF_C_A2 ; ges.Bearbzeit 2340s

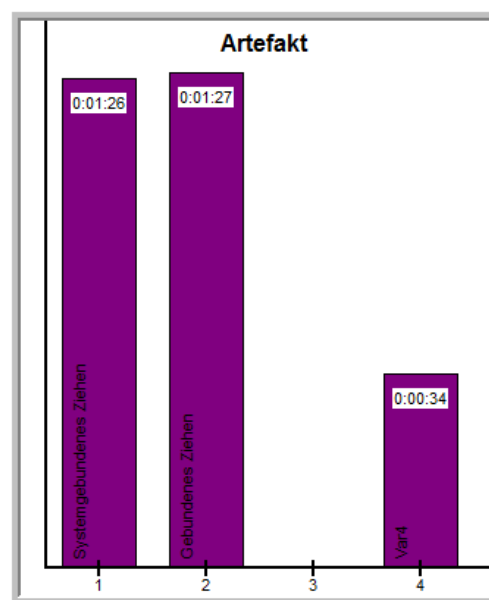
Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	0	0,0%
3	0	0,0%
4	0	0,0%
5	0	0,0%
6	0	0,0%
7	0	0,0%
8	87	43,5%
9	14	7,0%
10	20	10,0%
11	0	0,0%
12	0	0,0%
13	79	39,5%
14	0	0,0%
15	0	0,0%
Summe:	200	

Tabelle 133: Verwendete Artefakteinschränkung der Gruppe BF_C_A2

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	86	0,43	43,0%
2	87	0,435	43,5%
3	0	0	0,0%
4	34	0,17	17,0%



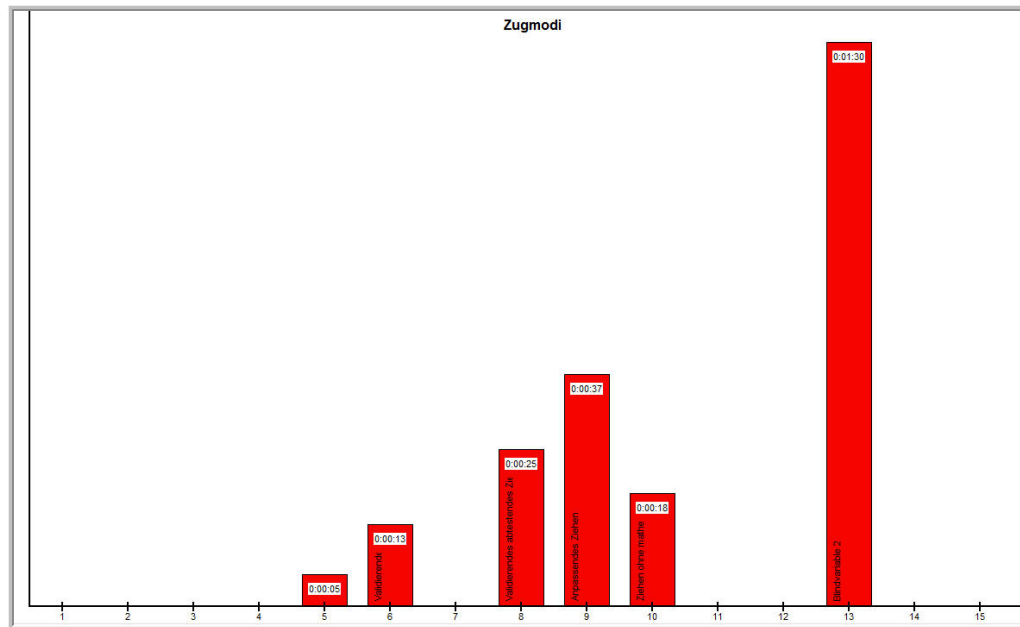
(a) Zugmodi



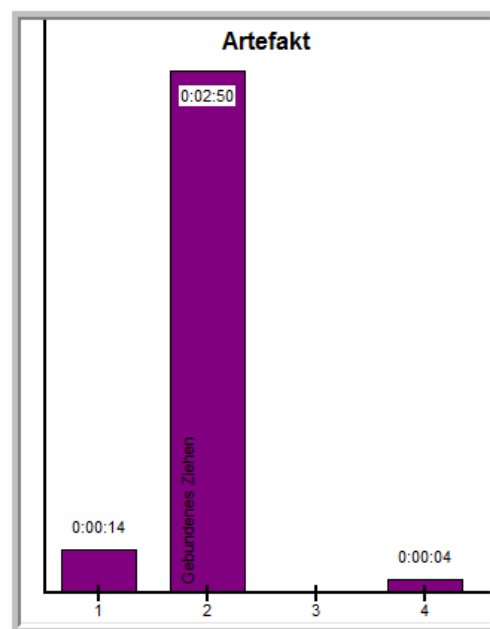
(b) Artefakteinschränkung

Abbildung 9: Auswertung des Zugverhaltens der Gruppe BF_C_A2

B.2.4 Gruppe DK1_C_A2



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 10: Auswertung des Zugverhaltens der Gruppe DK1_C_A2

Tabelle 134: Auswertung der Gruppe DK1_C_A2

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:02:12		00:00:00	00:02:12	
00:02:12	00:02:26	13	00:02:12	00:02:26	1
00:02:26	00:04:00		00:02:26	00:04:00	
00:04:00	00:04:13	13	00:04:00	00:04:13	2
00:04:13	00:04:56		00:04:13	00:04:56	
00:04:56	00:05:10	9	00:04:56	00:05:10	2
00:05:10	00:05:20		00:05:10	00:05:20	
00:05:20	00:05:38	9	00:05:20	00:05:38	2
00:05:38	00:05:55		00:05:38	00:05:55	
00:05:55	00:06:08	6	00:05:55	00:06:08	2
00:06:08	00:06:13	9	00:06:08	00:06:13	2
00:06:13	00:06:18		00:06:13	00:06:18	
00:06:18	00:06:29	13	00:06:18	00:06:29	2
00:06:29	00:06:42		00:06:29	00:06:42	
00:06:42	00:06:49	8	00:06:42	00:06:49	2
00:06:49	00:06:54		00:06:49	00:06:54	
00:06:54	00:06:59	5	00:06:54	00:06:59	2
00:06:59	00:08:59		00:06:59	00:08:59	
00:08:59	00:09:29	13	00:08:59	00:09:29	2
00:09:29	00:10:04		00:09:29	00:10:04	
00:10:04	00:10:13	13	00:10:04	00:10:13	2
00:10:13	00:11:06		00:10:13	00:11:06	
00:11:06	00:11:12	13	00:11:06	00:11:12	2
00:11:12	00:11:30		00:11:12	00:11:30	
00:11:30	00:11:37	13	00:11:30	00:11:37	2
00:11:37	00:13:46		00:11:37	00:13:46	
00:13:46	00:13:56	10	00:13:46	00:13:56	2
00:13:56	00:16:32		00:13:56	00:16:32	
00:16:32	00:16:39	8	00:16:32	00:16:39	2
00:16:39	00:16:53		00:16:39	00:16:53	
00:16:53	00:17:01	10	00:16:53	00:17:01	2
00:17:01	00:22:05		00:17:01	00:22:05	
00:22:05	00:22:09	8	00:22:05	00:22:09	4
00:22:09	00:22:10		00:22:09	00:22:10	
00:22:10	00:22:17	8	00:22:10	00:22:17	2
00:22:17	00:26:04		00:22:17	00:26:04	

Tabelle 135: Kodierte Zmodi d. Gruppe DK1_C_A2 ; ges.Bearbzeit 1340s

Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	0	0,0%
3	0	0,0%
4	0	0,0%
5	5	2,7%
6	13	6,9%
7	0	0,0%
8	25	13,3%
9	37	19,7%
10	18	9,6%
11	0	0,0%
12	0	0,0%
13	90	47,9%
14	0	0,0%
15	0	0,0%
Summe:	188	

Tabelle 136: Verwendete Artefakteinschränkung der Gruppe DK1_C_A2

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	14	0,074468	7,4%
2	170	0,904255	90,4%
3	0	0	0,0%
4	4	0,021277	2,1%

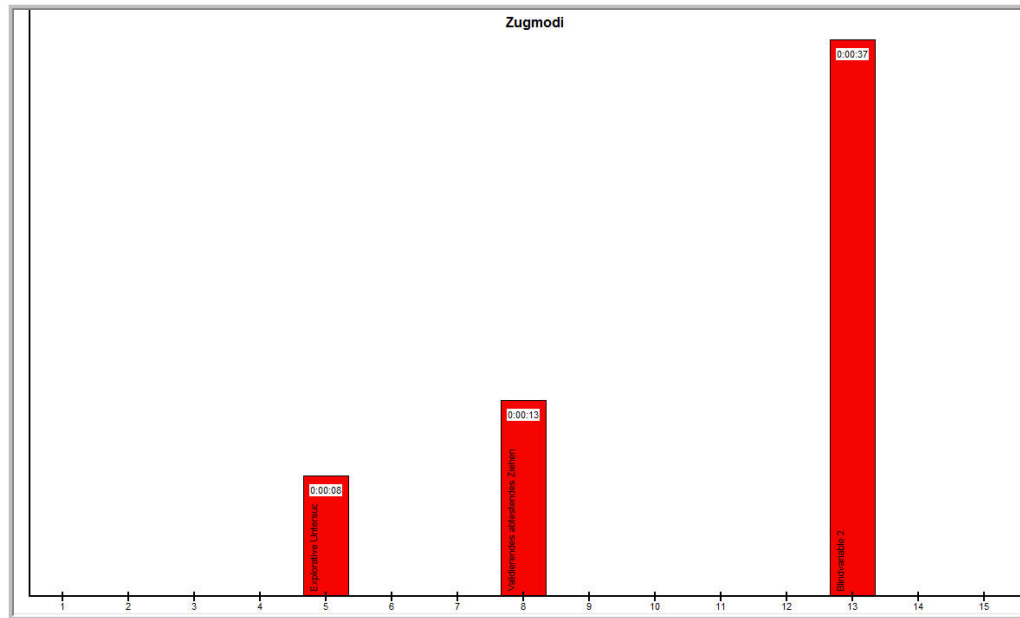
B.2.5 Gruppe DK2_C_A2

Tabelle 137: Auswertung der Gruppe DK2_C_A2

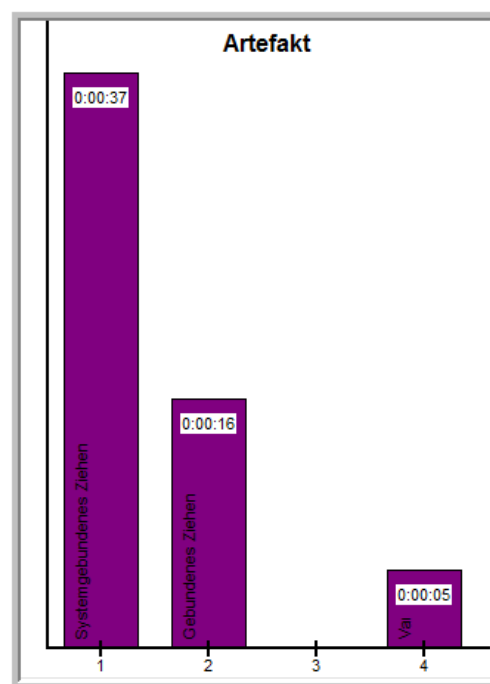
begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:02:10		00:00:00	00:02:10	
00:02:10	00:02:18	13	00:02:10	00:02:18	1
00:02:18	00:04:41		00:02:18	00:04:41	
00:04:41	00:04:56	13	00:04:41	00:04:56	1
00:04:56	00:05:34		00:04:56	00:05:34	
00:05:34	00:05:48	13	00:05:34	00:05:48	1
00:05:48	00:07:13		00:05:48	00:07:13	
00:07:13	00:07:21	5	00:07:13	00:07:21	2
00:07:21	00:12:25		00:07:21	00:12:25	
00:12:25	00:12:30	8	00:12:25	00:12:30	4
00:12:30	00:12:38	8	00:12:30	00:12:38	2
00:12:38	00:16:21		00:12:38	00:16:21	

Tabelle 138: Kodierte Zmodi d. Gruppe DK2_C_A2 ; ges.Bearbzeit 800s

Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	0	0,0%
3	0	0,0%
4	0	0,0%
5	8	13,8%
6	0	0,0%
7	0	0,0%
8	13	22,4%
9	0	0,0%
10	0	0,0%
11	0	0,0%
12	0	0,0%
13	37	63,8%
14	0	0,0%
15	0	0,0%
Summe:	58	



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 11: Auswertung des Zugverhaltens der Gruppe DK2_C_A2

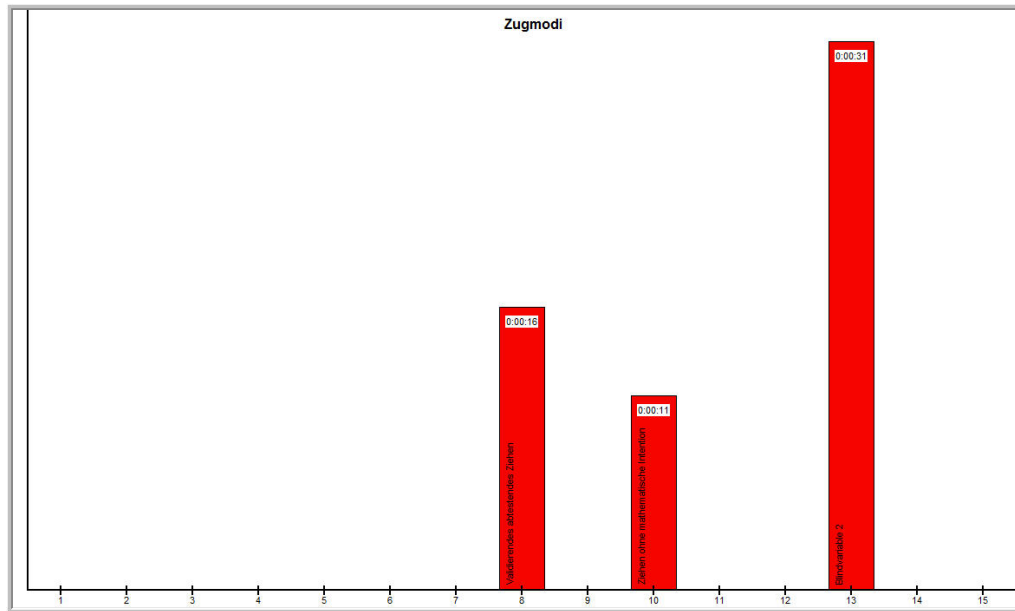
Tabelle 139: Verwendete Artefakteinschränkung der Gruppe DK2_C_A2

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	37	0,637931	63,8%
2	16	0,275862	27,6%
3	0	0	0,0%
4	5	0,086207	8,6%

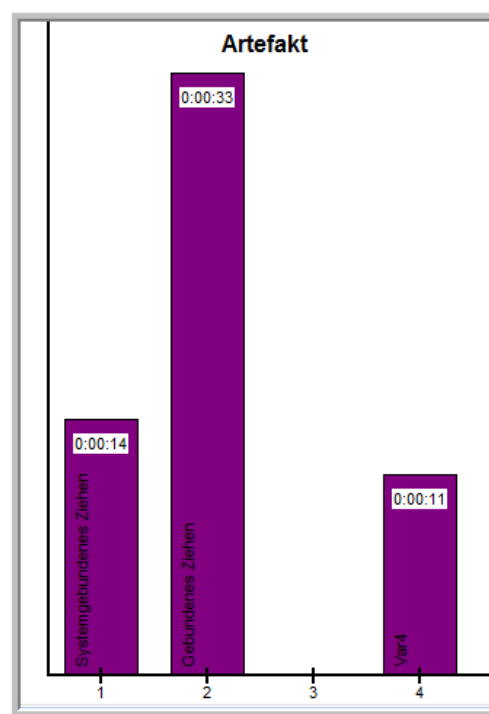
B.2.6 Gruppe FH_C_A2

Tabelle 140: Auswertung der Gruppe FH_C_A2

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:02:31		00:00:00	00:02:31	
00:02:31	00:02:45	13	00:02:31	00:02:45	1
00:02:45	00:03:10		00:02:45	00:03:10	
00:03:10	00:03:24	13	00:03:10	00:03:24	2
00:03:24	00:04:30		00:03:24	00:04:30	
00:04:30	00:04:33	13	00:04:30	00:04:33	2
00:04:33	00:04:38		00:04:33	00:04:38	
00:04:38	00:04:43	10	00:04:38	00:04:43	2
00:04:43	00:05:31		00:04:43	00:05:31	
00:05:31	00:05:35	10	00:05:31	00:05:35	2
00:05:35	00:05:47		00:05:35	00:05:47	
00:05:47	00:05:49	10	00:05:47	00:05:49	2
00:05:49	00:20:35		00:05:49	00:20:35	
00:20:35	00:20:38	8	00:20:35	00:20:38	4
00:20:38	00:20:53		00:20:38	00:20:53	
00:20:53	00:21:01	8	00:20:53	00:21:01	4
00:21:01	00:21:18		00:21:01	00:21:18	
00:21:18	00:21:23	8	00:21:18	00:21:23	2
00:21:23	00:25:47		00:21:23	00:25:47	



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 12: Auswertung des Zugverhaltens der Gruppe FH_C_A2

Tabelle 141: Kodierte Zmodi d. Gruppe FH_C_A2 ; ges.Bearbzeit 1290s

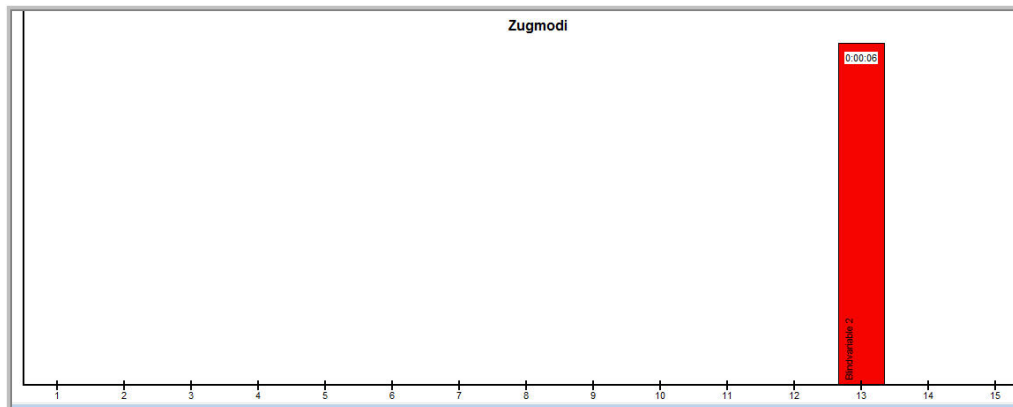
Zugmodi	Gesamtzeit(s)	AnteilZugm in %
1	0	0,0%
2	0	0,0%
3	0	0,0%
4	0	0,0%
5	0	0,0%
6	0	0,0%
7	0	0,0%
8	16	27,6%
9	0	0,0%
10	11	19,0%
11	0	0,0%
12	0	0,0%
13	31	53,4%
14	0	0,0%
15	0	0,0%
Summe:	58	

Tabelle 142: Verwendete Artefakteinschränkung der Gruppe FH_C_A2

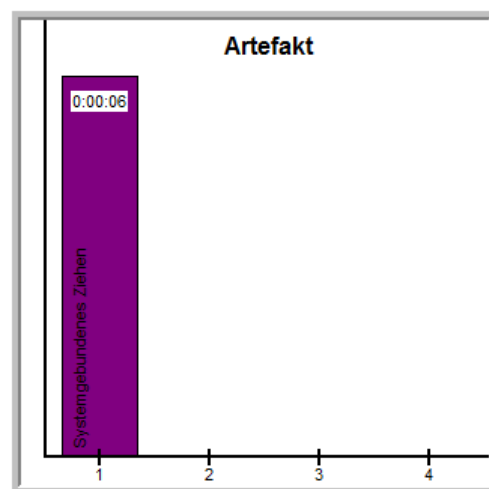
Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	14	0,241379	24,1%
2	33	0,568966	56,9%
3	0	0	0,0%
4	11	0,189655	19,0%

B.3 Aufgabe III Oktaederkonstruktion

B.3.1 Gruppe AL_C_A3



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 13: Auswertung des Zugverhaltens der Gruppe AL_C_A3

Tabelle 143: Auswertung der Gruppe AL_C_A3

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:01:48		00:00:00	00:01:48	
00:01:48	00:01:54	13	00:01:48	00:01:54	1
00:01:54	00:14:02		00:01:54	00:14:02	

begin	end	Zugmodi	begin	end	Aeinschränkung
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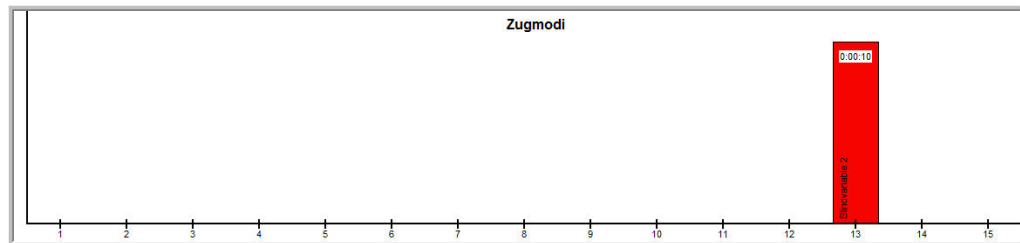
Tabelle 144: Kodierte Zmodi d. Gruppe AL_C_A3 ; ges.Bearbzeit 345s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	6	0,017391	100,0%	1,7%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	6			

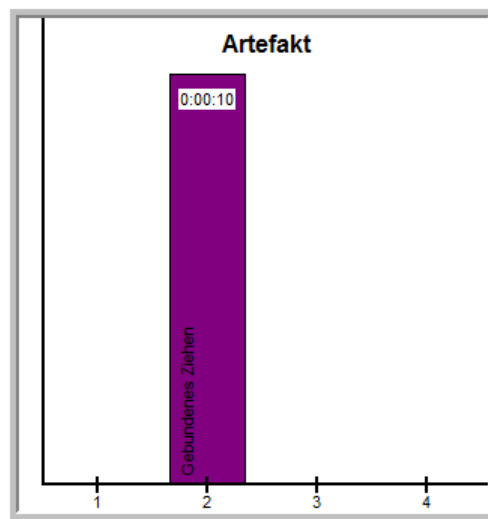
Tabelle 145: Verwendete Artefakteinschränkung der Gruppe AL_C_A3

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	6	1	100,0%
2	0	0	0,0%
3	0	0	0,0%
4	0	0	0,0%

B.3.2 Gruppe BW_C_A3



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 14: Auswertung des Zugverhaltens der Gruppe BW_C_A3

Tabelle 146: Auswertung der Gruppe BW_C_A3

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:01:26		00:00:00	00:01:26	
00:01:26	00:01:31	13	00:01:26	00:01:31	2
00:01:31	00:05:14		00:01:31	00:05:14	
00:05:14	00:05:19	13	00:05:14	00:05:19	2
00:05:19	00:38:08		00:05:19	00:38:08	

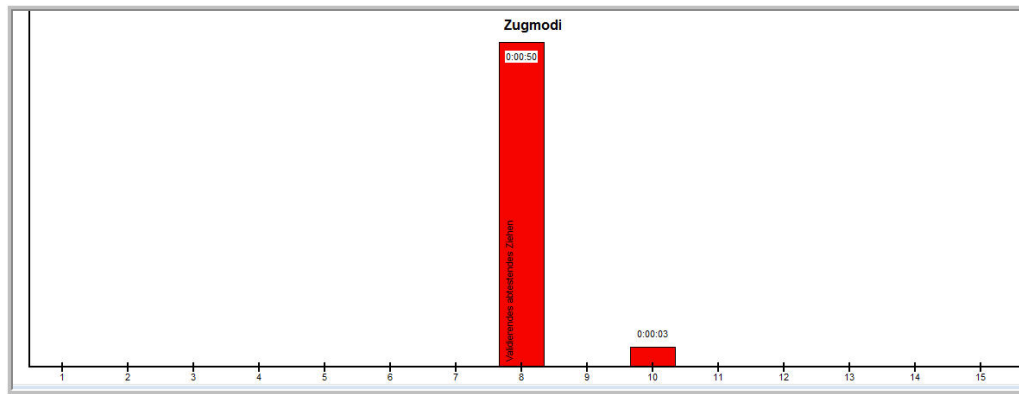
Tabelle 147: Kodierte Zmodi d. Gruppe BW_C_A3 ; ges.Bearbzeit 870s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	10	0,011494	100,0%	1,1%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	10			

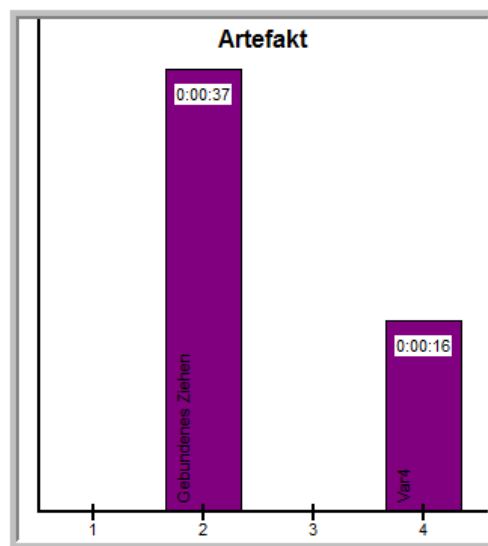
Tabelle 148: Verwendete Artefakteinschränkung der Gruppe BW_C_A3

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	10	1	100,0%
3	0	0	0,0%
4	0	0	0,0%

B.3.3 Gruppe BF_C_A3



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 15: Auswertung des Zugverhaltens der Gruppe BF_C_A3

Tabelle 149: Auswertung der Gruppe BF_C_A3

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:17:41		00:00:00	00:17:41	
00:17:41	00:17:46	8	00:17:41	00:17:46	4
00:17:46	00:17:50	8	00:17:46	00:17:50	2
00:17:50	00:18:04		00:17:50	00:18:04	

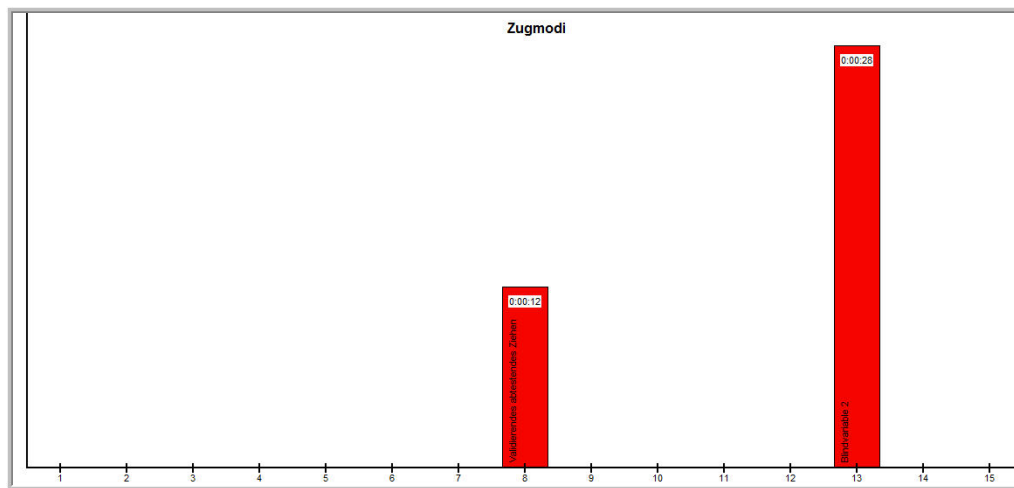
begin	end	Zugmodi	begin	end	Aeinschränkung
00:18:04	00:18:07	10	00:18:04	00:18:07	2
00:18:07	00:19:52		00:18:07	00:19:52	
00:19:52	00:20:02	8	00:19:52	00:20:02	4
00:20:02	00:20:03	8	00:20:02	00:20:03	4
00:20:03	00:20:18	8	00:20:03	00:20:18	2
00:20:18	00:20:49		00:20:18	00:20:49	
00:20:49	00:21:04	8	00:20:49	00:21:04	2
00:21:04	00:23:17		00:21:04	00:23:17	

Tabelle 150: Kodierte Zmodi d. Gruppe BF_C_A3 ; ges.Bearbzeit 1280s

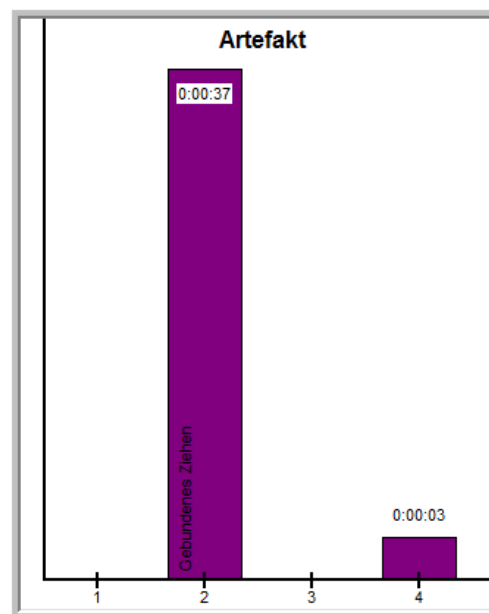
Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	50	0,039063	94,3%	3,9%
9	0	0	0,0%	0,0%
10	3	0,002344	5,7%	0,2%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	0	0	0,0%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	53			

Tabelle 151: Verwendete Artefakteinschränkung der Gruppe BF_C_A3

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	37	0,698113	69,8%
3	0	0	0,0%
4	16	0,301887	30,2%

B.3.4 Gruppe DK1_C_A3

(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 16: Auswertung des Zugverhaltens der Gruppe DK1_C_A3

Tabelle 152: Auswertung der Gruppe DK1_C_A3

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:02:08		00:00:00	00:02:08	
00:02:08	00:02:13	13	00:02:08	00:02:13	2
00:02:13	00:02:49		00:02:13	00:02:49	
00:02:49	00:03:06	13	00:02:49	00:03:06	2
00:03:06	00:08:15		00:03:06	00:08:15	
00:08:15	00:08:21	13	00:08:15	00:08:21	2
00:08:21	00:15:48		00:08:21	00:15:48	
00:15:48	00:15:51	8	00:15:48	00:15:51	4
00:15:51	00:16:00	8	00:15:51	00:16:00	2
00:16:00	00:16:50		00:16:00	00:16:50	

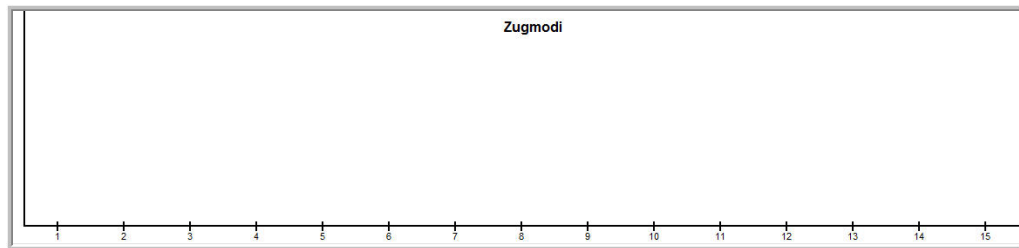
Tabelle 153: Kodierte Zmodi d. Gruppe DK1_C_A3 ; ges.Bearbzeit 980s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	12	0,012245	30,0%	1,2%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	28	0,028571	70,0%	2,9%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	40			

Tabelle 154: Verwendete Artefakteinschränkung der Gruppe DK1_C_A3

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	37	0,925	92,5%
3	0	0	0,0%
4	3	0,075	7,5%

B.3.5 Gruppe DK2_C_A3



(a) Zugmodi

Abbildung 17: Auswertung des Zugverhaltens der Gruppe DK2_C_A3

B.3.6 Gruppe FH_C_A3

Tabelle 155: Auswertung der Gruppe FH_C_A3

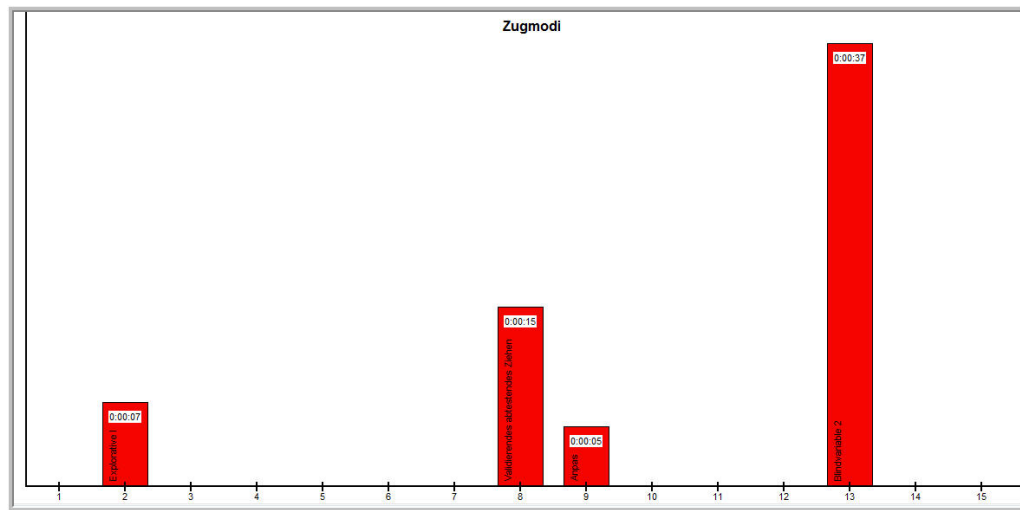
begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:05:01		00:00:00	00:05:01	
00:05:01	00:05:11	13	00:05:01	00:05:11	2
00:05:11	00:05:29		00:05:11	00:05:29	
00:05:29	00:05:38	13	00:05:29	00:05:38	2
00:05:38	00:06:04		00:05:38	00:06:04	
00:06:04	00:06:09	9	00:06:04	00:06:09	2
00:06:09	00:10:58		00:06:09	00:10:58	
00:10:58	00:11:05	2	00:10:58	00:11:05	2
00:11:05	00:14:00		00:11:05	00:14:00	
00:14:00	00:14:18	13	00:14:00	00:14:18	1
00:14:18	00:19:42		00:14:18	00:19:42	
00:19:42	00:19:57	8	00:19:42	00:19:57	2
00:19:57	00:20:20		00:19:57	00:20:20	

Tabelle 156: Kodierte Zmodi d. Gruppe FH_C_A3 ; ges.Bearbzeit 1170s

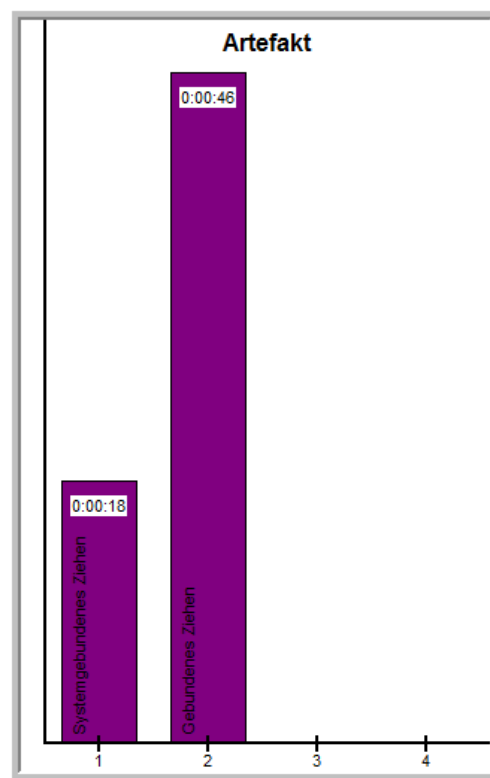
Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	7	0,005983	10,9%	0,6%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	15	0,012821	23,4%	1,3%
9	5	0,004274	7,8%	0,4%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	37	0,031624	57,8%	3,2%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	64			

Tabelle 157: Verwendete Artefakteinschränkung der Gruppe FH_C_A3

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	18	0,28125	28,1%
2	46	0,71875	71,9%
3	0	0	0,0%
4	0	0	0,0%



(a) Zugmodi

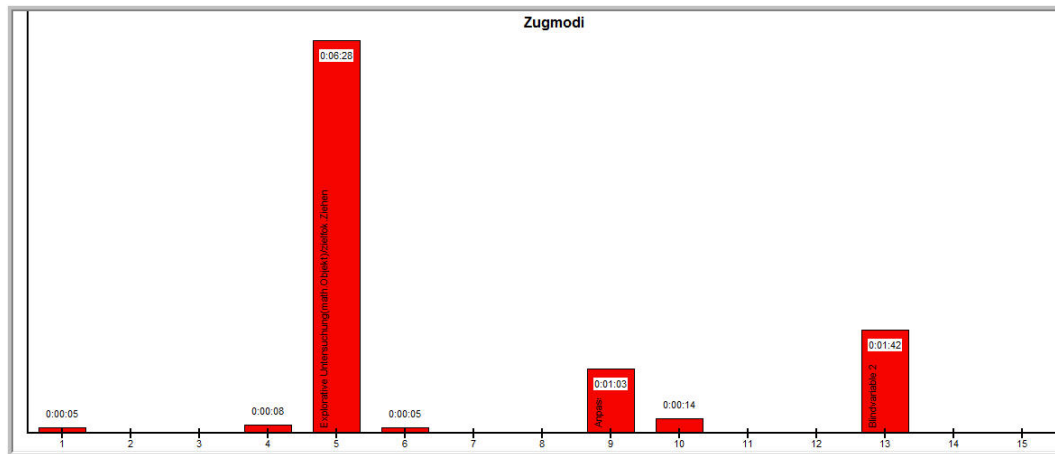


(b) Artefakteinschränkung

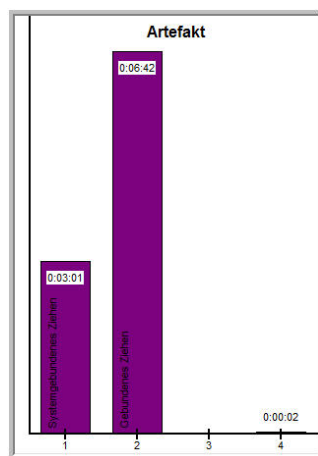
Abbildung 18: Auswertung des Zugverhaltens der Gruppe FH_C_A3

B.4 Aufgabe IV Kegelschnitte

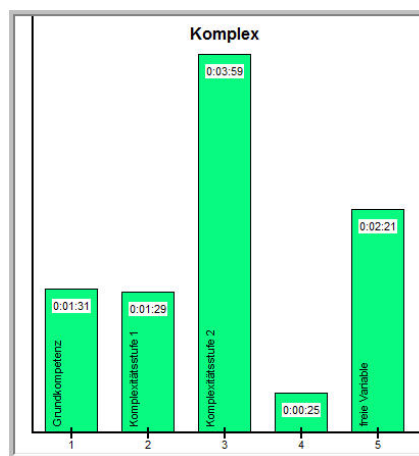
B.4.1 Gruppe AL_C_A4



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 19: Auswertung des Zugverhaltens der Gruppe AL_C_A4

Tabelle 158: Auswertung der Gruppe AL_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:18		00:00:00	00:00:18		00:00:00	00:00:18	
00:00:18	00:00:22	5	00:00:18	00:00:22	2	00:00:18	00:00:22	5
00:00:22	00:00:23		00:00:22	00:00:23		00:00:22	00:00:23	
00:00:23	00:00:25	5	00:00:23	00:00:25	2	00:00:23	00:00:25	5
00:00:25	00:01:41		00:00:25	00:01:41		00:00:25	00:01:41	
00:01:41	00:01:54	13	00:01:41	00:01:54	2	00:01:41	00:01:54	2
00:01:54	00:03:03		00:01:54	00:03:03		00:01:54	00:03:03	
00:03:03	00:03:12	13	00:03:03	00:03:12	1	00:03:03	00:03:12	3
00:03:12	00:03:20	10	00:03:12	00:03:20	1	00:03:12	00:03:20	1
00:03:20	00:03:33		00:03:20	00:03:33		00:03:20	00:03:33	
00:03:33	00:03:37	10	00:03:33	00:03:37	1	00:03:33	00:03:37	1
00:03:37	00:04:00		00:03:37	00:04:00		00:03:37	00:04:00	
00:04:00	00:04:04	13	00:04:00	00:04:04	2	00:04:00	00:04:04	2
00:04:04	00:05:07		00:04:04	00:05:07		00:04:04	00:05:07	
00:05:07	00:05:14	5	00:05:07	00:05:14	2	00:05:07	00:05:14	3
00:05:14	00:05:16		00:05:14	00:05:16		00:05:14	00:05:16	
00:05:16	00:05:26	5	00:05:16	00:05:26	2	00:05:16	00:05:26	3
00:05:26	00:05:42		00:05:26	00:05:42		00:05:26	00:05:42	
00:05:42	00:05:52	5	00:05:42	00:05:52	2	00:05:42	00:05:52	3
00:05:52	00:06:07		00:05:52	00:06:07		00:05:52	00:06:07	
00:06:07	00:06:28	5	00:06:07	00:06:28	2	00:06:07	00:06:28	3
00:06:28	00:07:01		00:06:28	00:07:01		00:06:28	00:07:01	
00:07:01	00:07:04	5	00:07:01	00:07:04	2	00:07:01	00:07:04	3
00:07:04	00:07:10		00:07:04	00:07:10		00:07:04	00:07:10	
00:07:10	00:07:16	5	00:07:10	00:07:16	2	00:07:10	00:07:16	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:07:16	00:07:22		00:07:16	00:07:22		00:07:16	00:07:22	
00:07:22	00:07:31	5	00:07:22	00:07:31	2	00:07:22	00:07:31	3
00:07:31	00:07:40		00:07:31	00:07:40		00:07:31	00:07:40	
00:07:40	00:07:57	5	00:07:40	00:07:57	2	00:07:40	00:07:57	3
00:07:57	00:08:06		00:07:57	00:08:06		00:07:57	00:08:06	
00:08:06	00:08:10	5	00:08:06	00:08:10	2	00:08:06	00:08:10	3
00:08:10	00:08:18		00:08:10	00:08:18		00:08:10	00:08:18	
00:08:18	00:08:22	5	00:08:18	00:08:22	2	00:08:18	00:08:22	3
00:08:22	00:08:26		00:08:22	00:08:26		00:08:22	00:08:26	
00:08:26	00:08:30	5	00:08:26	00:08:30	2	00:08:26	00:08:30	3
00:08:30	00:08:40		00:08:30	00:08:40		00:08:30	00:08:40	
00:08:40	00:08:43	5	00:08:40	00:08:43	2	00:08:40	00:08:43	3
00:08:43	00:08:45		00:08:43	00:08:45		00:08:43	00:08:45	
00:08:45	00:08:53	5	00:08:45	00:08:53	2	00:08:45	00:08:53	3
00:08:53	00:09:05		00:08:53	00:09:05		00:08:53	00:09:05	
00:09:05	00:09:16	5	00:09:05	00:09:16	2	00:09:05	00:09:16	3
00:09:16	00:09:17	5	00:09:16	00:09:17	2	00:09:16	00:09:17	3
00:09:17	00:10:04		00:09:17	00:10:04		00:09:17	00:10:04	
00:10:04	00:10:09	1	00:10:04	00:10:09	2	00:10:04	00:10:09	5
00:10:09	00:10:19		00:10:09	00:10:19		00:10:09	00:10:19	
00:10:19	00:11:00	5	00:10:19	00:11:00	2	00:10:19	00:11:00	3
00:11:00	00:11:14		00:11:00	00:11:14		00:11:00	00:11:14	
00:11:14	00:11:26	5	00:11:14	00:11:26	2	00:11:14	00:11:26	1
00:11:26	00:11:28		00:11:26	00:11:28		00:11:26	00:11:28	
00:11:28	00:11:32	5	00:11:28	00:11:32	2	00:11:28	00:11:32	3
00:11:32	00:12:04		00:11:32	00:12:04		00:11:32	00:12:04	
00:12:04	00:12:15	5	00:12:04	00:12:15	2	00:12:04	00:12:15	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:12:15	00:12:30		00:12:15	00:12:30		00:12:15	00:12:30	
00:12:30	00:12:33	5	00:12:30	00:12:33	2	00:12:30	00:12:33	3
00:12:33	00:13:16		00:12:33	00:13:16		00:12:33	00:13:16	
00:13:16	00:13:23	13	00:13:16	00:13:23	1	00:13:16	00:13:23	3
00:13:23	00:13:30		00:13:23	00:13:30		00:13:23	00:13:30	
00:13:30	00:13:43	5	00:13:30	00:13:43	1	00:13:30	00:13:43	2
00:13:43	00:13:58		00:13:43	00:13:58		00:13:43	00:13:58	
00:13:58	00:14:09	5	00:13:58	00:14:09	1	00:13:58	00:14:09	2
00:14:09	00:14:15		00:14:09	00:14:15		00:14:09	00:14:15	
00:14:15	00:14:20	5	00:14:15	00:14:20	2	00:14:15	00:14:20	5
00:14:20	00:14:25		00:14:20	00:14:25		00:14:20	00:14:25	
00:14:25	00:14:36	5	00:14:25	00:14:36	1	00:14:25	00:14:36	2
00:14:36	00:14:40		00:14:36	00:14:40		00:14:36	00:14:40	
00:14:40	00:14:42	5	00:14:40	00:14:42	1	00:14:40	00:14:42	2
00:14:42	00:14:45		00:14:42	00:14:45		00:14:42	00:14:45	
00:14:45	00:14:48	9	00:14:45	00:14:48	2	00:14:45	00:14:48	5
00:14:48	00:14:51		00:14:48	00:14:51		00:14:48	00:14:51	
00:14:51	00:14:53	10	00:14:51	00:14:53	2	00:14:51	00:14:53	1
00:14:53	00:14:54		00:14:53	00:14:54		00:14:53	00:14:54	
00:14:54	00:14:59	5	00:14:54	00:14:59	1	00:14:54	00:14:59	3
00:14:59	00:15:13		00:14:59	00:15:13		00:14:59	00:15:13	
00:15:13	00:15:16	5	00:15:13	00:15:16	1	00:15:13	00:15:16	2
00:15:16	00:15:17		00:15:16	00:15:17		00:15:16	00:15:17	
00:15:17	00:15:28	9	00:15:17	00:15:28	2	00:15:17	00:15:28	5
00:15:28	00:15:31		00:15:28	00:15:31		00:15:28	00:15:31	
00:15:31	00:15:35	9	00:15:31	00:15:35	2	00:15:31	00:15:35	5
00:15:35	00:15:37		00:15:35	00:15:37		00:15:35	00:15:37	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:15:37	00:15:48	5	00:15:37	00:15:48	1	00:15:37	00:15:48	3
00:15:48	00:15:50		00:15:48	00:15:50		00:15:48	00:15:50	
00:15:50	00:15:54	5	00:15:50	00:15:54	2	00:15:50	00:15:54	5
00:15:54	00:15:55		00:15:54	00:15:55		00:15:54	00:15:55	
00:15:55	00:16:01	5	00:15:55	00:16:01	1	00:15:55	00:16:01	3
00:16:01	00:16:07		00:16:01	00:16:07		00:16:01	00:16:07	
00:16:07	00:16:13	5	00:16:07	00:16:13	1	00:16:07	00:16:13	3
00:16:13	00:16:21		00:16:13	00:16:21		00:16:13	00:16:21	
00:16:21	00:16:24	5	00:16:21	00:16:24	2	00:16:21	00:16:24	5
00:16:24	00:16:33		00:16:24	00:16:33		00:16:24	00:16:33	
00:16:33	00:16:37	5	00:16:33	00:16:37	2	00:16:33	00:16:37	5
00:16:37	00:16:42		00:16:37	00:16:42		00:16:37	00:16:42	
00:16:42	00:16:51	5	00:16:42	00:16:51	2	00:16:42	00:16:51	5
00:16:51	00:17:02		00:16:51	00:17:02		00:16:51	00:17:02	
00:17:02	00:17:16	5	00:17:02	00:17:16	1	00:17:02	00:17:16	2
00:17:16	00:17:18		00:17:16	00:17:18		00:17:16	00:17:18	
00:17:18	00:17:20	5	00:17:18	00:17:20	4	00:17:18	00:17:20	5
00:17:20	00:19:16		00:17:20	00:19:16		00:17:20	00:19:16	
00:19:16	00:19:24	5	00:19:16	00:19:24	2	00:19:16	00:19:24	1
00:19:24	00:19:33		00:19:24	00:19:33		00:19:24	00:19:33	
00:19:33	00:19:41	13	00:19:33	00:19:41	1	00:19:33	00:19:41	3
00:19:41	00:19:43		00:19:41	00:19:43		00:19:41	00:19:43	
00:19:43	00:19:45	5	00:19:43	00:19:45	1	00:19:43	00:19:45	2
00:19:45	00:19:46		00:19:45	00:19:46		00:19:45	00:19:46	
00:19:46	00:19:49	5	00:19:46	00:19:49	2	00:19:46	00:19:49	5
00:19:49	00:20:11		00:19:49	00:20:11		00:19:49	00:20:11	
00:20:11	00:20:17	5	00:20:11	00:20:17	2	00:20:11	00:20:17	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:20:17	00:20:24		00:20:17	00:20:24		00:20:17	00:20:24	
00:20:24	00:20:28	5	00:20:24	00:20:28	2	00:20:24	00:20:28	3
00:20:28	00:21:00		00:20:28	00:21:00		00:20:28	00:21:00	
00:21:00	00:21:04	13	00:21:00	00:21:04	1	00:21:00	00:21:04	2
00:21:04	00:21:56		00:21:04	00:21:56		00:21:04	00:21:56	
00:21:56	00:21:59	5	00:21:56	00:21:59	2	00:21:56	00:21:59	5
00:21:59	00:22:35		00:21:59	00:22:35		00:21:59	00:22:35	
00:22:35	00:22:42	13	00:22:35	00:22:42	1	00:22:35	00:22:42	1
00:22:42	00:23:59		00:22:42	00:23:59		00:22:42	00:23:59	
00:23:59	00:24:04	5	00:23:59	00:24:04	2	00:23:59	00:24:04	5
00:24:04	00:24:29		00:24:04	00:24:29		00:24:04	00:24:29	
00:24:29	00:24:34	5	00:24:29	00:24:34	2	00:24:29	00:24:34	5
00:24:34	00:24:55		00:24:34	00:24:55		00:24:34	00:24:55	
00:24:55	00:24:59	13	00:24:55	00:24:59	1	00:24:55	00:24:59	1
00:24:59	00:28:51		00:24:59	00:28:51		00:24:59	00:28:51	
00:28:51	00:29:10	13	00:28:51	00:29:10	1	00:28:51	00:29:10	1
00:29:10	00:29:33		00:29:10	00:29:33		00:29:10	00:29:33	
00:29:33	00:29:47	13	00:29:33	00:29:47	1	00:29:33	00:29:47	1
00:29:47	00:29:52		00:29:47	00:29:52		00:29:47	00:29:52	
00:29:52	00:29:57	13	00:29:52	00:29:57	1	00:29:52	00:29:57	1
00:29:57	00:29:59		00:29:57	00:29:59		00:29:57	00:29:59	
00:29:59	00:30:07	4	00:29:59	00:30:07	2	00:29:59	00:30:07	4
00:30:07	00:30:14		00:30:07	00:30:14		00:30:07	00:30:14	
00:30:14	00:30:20	5	00:30:14	00:30:20	2	00:30:14	00:30:20	2
00:30:20	00:30:23		00:30:20	00:30:23		00:30:20	00:30:23	
00:30:23	00:30:26	5	00:30:23	00:30:26	2	00:30:23	00:30:26	2
00:30:26	00:30:31	6	00:30:26	00:30:31	2	00:30:26	00:30:31	4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:30:31	00:30:32		00:30:31	00:30:32		00:30:31	00:30:32	
00:30:32	00:30:35	5	00:30:32	00:30:35	2	00:30:32	00:30:35	2
00:30:35	00:30:40	5	00:30:35	00:30:40	2	00:30:35	00:30:40	5
00:30:40	00:31:38		00:30:40	00:31:38		00:30:40	00:31:38	
00:31:38	00:31:52	5	00:31:38	00:31:52	2	00:31:38	00:31:52	5
00:31:52	00:32:34		00:31:52	00:32:34		00:31:52	00:32:34	
00:32:34	00:32:38	13	00:32:34	00:32:38	1	00:32:34	00:32:38	1
00:32:38	00:32:40		00:32:38	00:32:40		00:32:38	00:32:40	
00:32:40	00:32:44	13	00:32:40	00:32:44	1	00:32:40	00:32:44	1
00:32:44	00:33:33		00:32:44	00:33:33		00:32:44	00:33:33	
00:33:33	00:33:42	5	00:33:33	00:33:42	2	00:33:33	00:33:42	5
00:33:42	00:33:44		00:33:42	00:33:44		00:33:42	00:33:44	
00:33:44	00:33:52	5	00:33:44	00:33:52	2	00:33:44	00:33:52	4
00:33:52	00:33:53		00:33:52	00:33:53		00:33:52	00:33:53	
00:33:53	00:34:18	9	00:33:53	00:34:18	2	00:33:53	00:34:18	5
00:34:18	00:34:27		00:34:18	00:34:27		00:34:18	00:34:27	
00:34:27	00:34:31	9	00:34:27	00:34:31	2	00:34:27	00:34:31	5
00:34:31	00:34:37		00:34:31	00:34:37		00:34:31	00:34:37	
00:34:37	00:34:42	9	00:34:37	00:34:42	2	00:34:37	00:34:42	5
00:34:42	00:34:52		00:34:42	00:34:52		00:34:42	00:34:52	
00:34:52	00:34:59	9	00:34:52	00:34:59	2	00:34:52	00:34:59	5
00:34:59	00:35:04		00:34:59	00:35:04		00:34:59	00:35:04	
00:35:04	00:35:08	9	00:35:04	00:35:08	2	00:35:04	00:35:08	4
00:35:08	00:38:41		00:35:08	00:38:41		00:35:08	00:38:41	

Tabelle 159: Kodierte Zmodi d. Gruppe AL_C_A4; ges. Bearbeitzeit 2250s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	5	0,002222	0,9%	0,2%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	8	0,003556	1,4%	0,4%
5	388	0,172444	66,3%	17,2%
6	5	0,002222	0,9%	0,2%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	63	0,028	10,8%	2,8%
10	14	0,006222	2,4%	0,6%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	102	0,045333	17,4%	4,5%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	585			

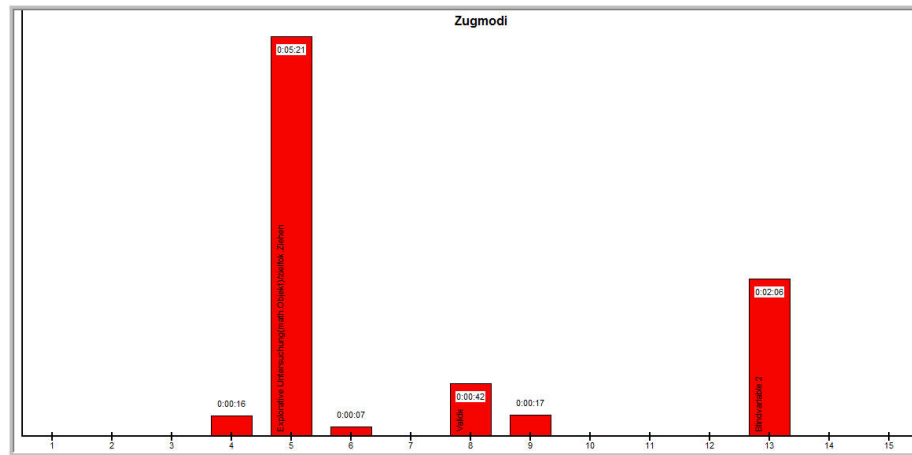
Tabelle 160: Verwendete Artefakteinschränkung der Gruppe AL_C_A4

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	181	0,309402	30,9%
2	402	0,687179	68,7%
3	0	0	0,0%
4	2	0,003419	0,3%

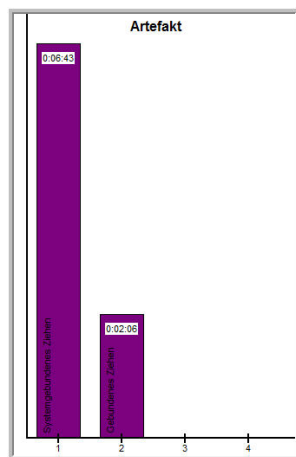
Tabelle 161: Verwendete Komplexitätsstufen der Gruppe AL_C_A4

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	91	0,155556	15,6%
2	89	0,152137	15,2%
3	239	0,408547	40,9%
4	25	0,042735	4,3%
5	141	0,241026	24,1%

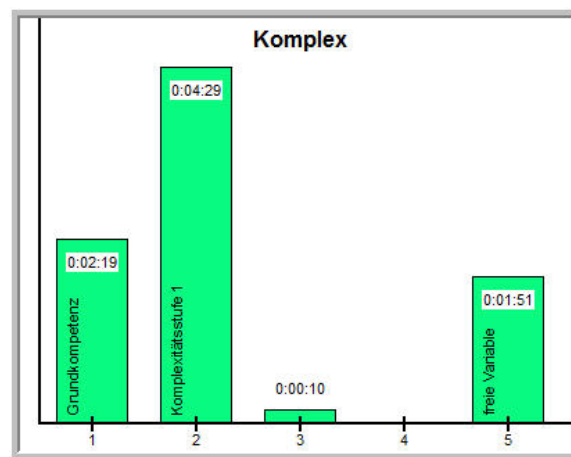
B.4.2 Gruppe BW_C_A4



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 20: Auswertung des Zugverhaltens der Gruppe BW_C_A4

Tabelle 162: Auswertung der Gruppe BW_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:23		00:00:00	00:00:23		00:00:00	00:00:23	
00:00:23	00:00:32	5	00:00:23	00:00:32	1	00:00:23	00:00:32	5
00:00:32	00:00:41	5	00:00:32	00:00:41	2	00:00:32	00:00:41	5
00:00:41	00:00:43		00:00:41	00:00:43		00:00:41	00:00:43	
00:00:43	00:00:52	5	00:00:43	00:00:52	1	00:00:43	00:00:52	5
00:00:52	00:00:59		00:00:52	00:00:59		00:00:52	00:00:59	
00:00:59	00:01:05	5	00:00:59	00:01:05	1	00:00:59	00:01:05	5
00:01:05	00:02:38		00:01:05	00:02:38		00:01:05	00:02:38	
00:02:38	00:02:46	13	00:02:38	00:02:46	1	00:02:38	00:02:46	1
00:02:46	00:02:48		00:02:46	00:02:48		00:02:46	00:02:48	
00:02:48	00:03:05	5	00:02:48	00:03:05	1	00:02:48	00:03:05	1
00:03:05	00:03:38		00:03:05	00:03:38		00:03:05	00:03:38	
00:03:38	00:03:45	5	00:03:38	00:03:45	2	00:03:38	00:03:45	5
00:03:45	00:03:56	5	00:03:45	00:03:56	1	00:03:45	00:03:56	1
00:03:56	00:04:03		00:03:56	00:04:03		00:03:56	00:04:03	
00:04:03	00:04:12	5	00:04:03	00:04:12	1	00:04:03	00:04:12	1
00:04:12	00:04:21		00:04:12	00:04:21		00:04:12	00:04:21	
00:04:21	00:04:25	5	00:04:21	00:04:25	2	00:04:21	00:04:25	5
00:04:25	00:04:28		00:04:25	00:04:28		00:04:25	00:04:28	
00:04:28	00:04:32	5	00:04:28	00:04:32	2	00:04:28	00:04:32	1
00:04:32	00:04:43		00:04:32	00:04:43		00:04:32	00:04:43	
00:04:43	00:04:50	5	00:04:43	00:04:50	1	00:04:43	00:04:50	2
00:04:50	00:08:18		00:04:50	00:08:18		00:04:50	00:08:18	
00:08:18	00:08:30	13	00:08:18	00:08:30	1	00:08:18	00:08:30	1
00:08:30	00:08:35		00:08:30	00:08:35		00:08:30	00:08:35	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:08:35	00:08:48	5	00:08:35	00:08:48	1	00:08:35	00:08:48	2
00:08:48	00:08:52		00:08:48	00:08:52		00:08:48	00:08:52	
00:08:52	00:08:57	5	00:08:52	00:08:57	1	00:08:52	00:08:57	2
00:08:57	00:10:05		00:08:57	00:10:05		00:08:57	00:10:05	
00:10:05	00:10:13	5	00:10:05	00:10:13	2	00:10:05	00:10:13	5
00:10:13	00:10:21		00:10:13	00:10:21		00:10:13	00:10:21	
00:10:21	00:10:36	5	00:10:21	00:10:36	1	00:10:21	00:10:36	2
00:10:36	00:12:17		00:10:36	00:12:17		00:10:36	00:12:17	
00:12:17	00:12:24	13	00:12:17	00:12:24	1	00:12:17	00:12:24	1
00:12:24	00:12:32		00:12:24	00:12:32		00:12:24	00:12:32	
00:12:32	00:12:35	13	00:12:32	00:12:35	1	00:12:32	00:12:35	1
00:12:35	00:12:44		00:12:35	00:12:44		00:12:35	00:12:44	
00:12:44	00:12:50	13	00:12:44	00:12:50	1	00:12:44	00:12:50	1
00:12:50	00:13:26		00:12:50	00:13:26		00:12:50	00:13:26	
00:13:26	00:13:39	13	00:13:26	00:13:39	1	00:13:26	00:13:39	1
00:13:39	00:13:52		00:13:39	00:13:52		00:13:39	00:13:52	
00:13:52	00:14:11	13	00:13:52	00:14:11	1	00:13:52	00:14:11	1
00:14:11	00:14:30		00:14:11	00:14:30		00:14:11	00:14:30	
00:14:30	00:14:40	13	00:14:30	00:14:40	1	00:14:30	00:14:40	1
00:14:40	00:14:47		00:14:40	00:14:47		00:14:40	00:14:47	
00:14:47	00:14:53	5	00:14:47	00:14:53	2	00:14:47	00:14:53	3
00:14:53	00:18:50		00:14:53	00:18:50		00:14:53	00:18:50	
00:18:50	00:19:10	5	00:18:50	00:19:10	1	00:18:50	00:19:10	2
00:19:10	00:19:29		00:19:10	00:19:29		00:19:10	00:19:29	
00:19:29	00:19:45	5	00:19:29	00:19:45	1	00:19:29	00:19:45	2
00:19:45	00:19:49	5	00:19:45	00:19:49	2	00:19:45	00:19:49	5
00:19:49	00:20:09		00:19:49	00:20:09		00:19:49	00:20:09	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:20:09	00:20:18	5	00:20:09	00:20:18	2	00:20:09	00:20:18	5
00:20:18	00:20:58		00:20:18	00:20:58		00:20:18	00:20:58	
00:20:58	00:21:02	5	00:20:58	00:21:02	1	00:20:58	00:21:02	2
00:21:02	00:21:07		00:21:02	00:21:07		00:21:02	00:21:07	
00:21:07	00:21:14	5	00:21:07	00:21:14	1	00:21:07	00:21:14	2
00:21:14	00:21:28		00:21:14	00:21:28		00:21:14	00:21:28	
00:21:28	00:21:37	5	00:21:28	00:21:37	2	00:21:28	00:21:37	2
00:21:37	00:21:46		00:21:37	00:21:46		00:21:37	00:21:46	
00:21:46	00:21:50	5	00:21:46	00:21:50	2	00:21:46	00:21:50	3
00:21:50	00:21:55		00:21:50	00:21:55		00:21:50	00:21:55	
00:21:55	00:21:59	5	00:21:55	00:21:59	2	00:21:55	00:21:59	5
00:21:59	00:26:05		00:21:59	00:26:05		00:21:59	00:26:05	
00:26:05	00:26:12	6	00:26:05	00:26:12	1	00:26:05	00:26:12	2
00:26:12	00:26:40		00:26:12	00:26:40		00:26:12	00:26:40	
00:26:40	00:26:49	5	00:26:40	00:26:49	1	00:26:40	00:26:49	2
00:26:49	00:27:19		00:26:49	00:27:19		00:26:49	00:27:19	
00:27:19	00:27:28	5	00:27:19	00:27:28	1	00:27:19	00:27:28	2
00:27:28	00:27:39		00:27:28	00:27:39		00:27:28	00:27:39	
00:27:39	00:27:46	4	00:27:39	00:27:46	2	00:27:39	00:27:46	2
00:27:46	00:27:55	4	00:27:46	00:27:55	2	00:27:46	00:27:55	2
00:27:55	00:27:57		00:27:55	00:27:57		00:27:55	00:27:57	
00:27:57	00:28:19	5	00:27:57	00:28:19	1	00:27:57	00:28:19	2
00:28:19	00:29:27		00:28:19	00:29:27		00:28:19	00:29:27	
00:29:27	00:29:41	8	00:29:27	00:29:41	2	00:29:27	00:29:41	5
00:29:41	00:30:15		00:29:41	00:30:15		00:29:41	00:30:15	
00:30:15	00:30:28	5	00:30:15	00:30:28	1	00:30:15	00:30:28	2
00:30:28	00:30:44		00:30:28	00:30:44		00:30:28	00:30:44	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:30:44	00:30:57	5	00:30:44	00:30:57	1	00:30:44	00:30:57	2
00:30:57	00:31:05		00:30:57	00:31:05		00:30:57	00:31:05	
00:31:05	00:31:26	5	00:31:05	00:31:26	1	00:31:05	00:31:26	2
00:31:26	00:31:50		00:31:26	00:31:50		00:31:26	00:31:50	
00:31:50	00:32:00	9	00:31:50	00:32:00	1	00:31:50	00:32:00	2
00:32:00	00:32:10		00:32:00	00:32:10		00:32:00	00:32:10	
00:32:10	00:32:28	5	00:32:10	00:32:28	1	00:32:10	00:32:28	2
00:32:28	00:32:34		00:32:28	00:32:34		00:32:28	00:32:34	
00:32:34	00:32:41	9	00:32:34	00:32:41	1	00:32:34	00:32:41	2
00:32:41	00:36:20		00:32:41	00:36:20		00:32:41	00:36:20	
00:36:20	00:36:40	13	00:36:20	00:36:40	1	00:36:20	00:36:40	1
00:36:40	00:39:52		00:36:40	00:39:52		00:36:40	00:39:52	
00:39:52	00:40:10	8	00:39:52	00:40:10	2	00:39:52	00:40:10	5
00:40:10	00:40:28		00:40:10	00:40:28		00:40:10	00:40:28	
00:40:28	00:40:38	8	00:40:28	00:40:38	2	00:40:28	00:40:38	5
00:40:38	00:42:38		00:40:38	00:42:38		00:40:38	00:42:38	
00:42:38	00:43:06	13	00:42:38	00:43:06	1	00:42:38	00:43:06	2
00:43:06	00:50:58		00:43:06	00:50:58		00:43:06	00:50:58	

Tabelle 163: Kodierte Zmodi d. Gruppe BW_C_A4; ges. Bearbeitzeit 2820s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	16	0,005674	3,0%	0,6%
5	321	0,11383	60,7%	11,4%
6	7	0,002482	1,3%	0,2%
7	0	0	0,0%	0,0%
8	42	0,014894	7,9%	1,5%
9	17	0,006028	3,2%	0,6%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	126	0,044681	23,8%	4,5%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	529			

Tabelle 164: Verwendete Artefakteinschränkung der Gruppe BW_C_A4

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	403	0,761815	76,2%
2	126	0,238185	23,8%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 165: Verwendete Komplexitätsstufen der Gruppe BW_C_A4

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	139	0,26276	26,3%
2	269	0,508507	50,9%
3	10	0,018904	1,9%
4	0	0	0,0%
5	111	0,20983	21,0%

B.4.3 Gruppe BF_C_A4

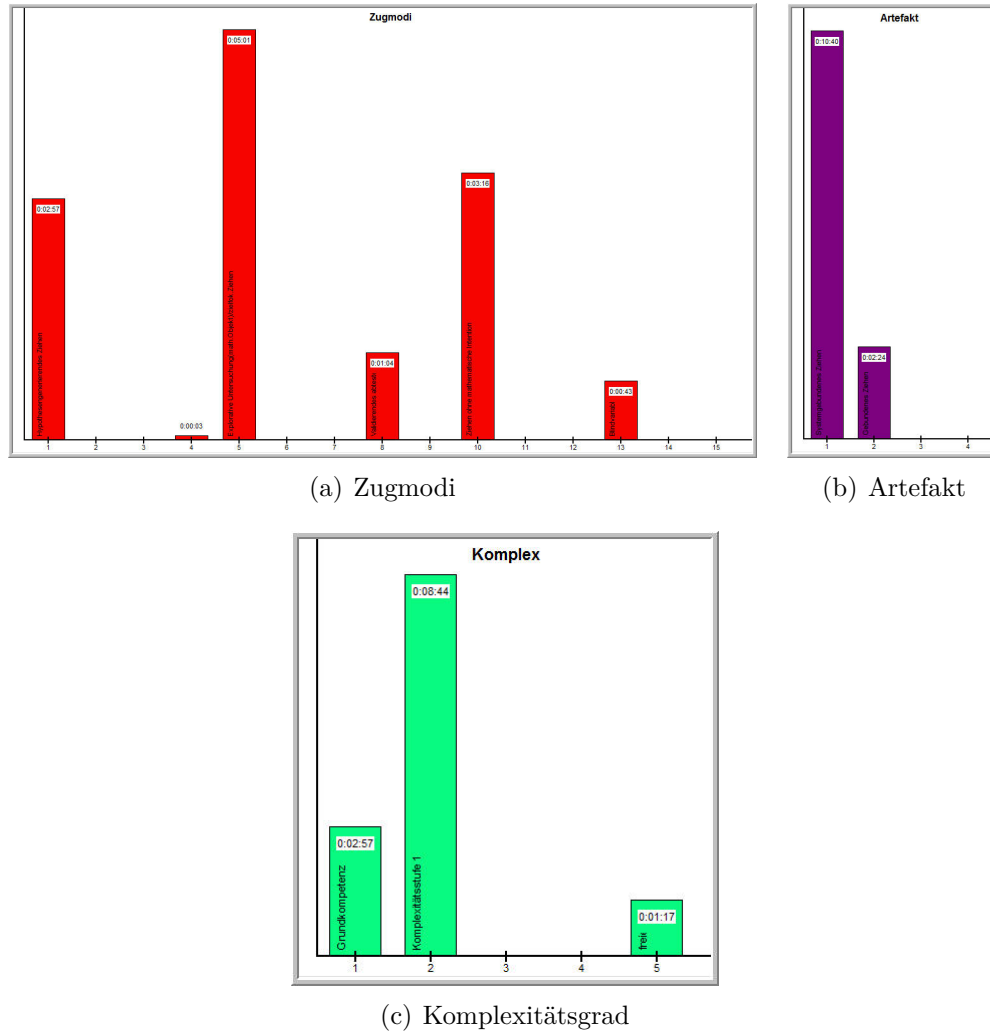


Abbildung 21: Auswertung des Zugverhaltens der Gruppe BF_C_A4

Tabelle 166: Auswertung der Gruppe BF_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:59		00:00:00	00:00:59		00:00:00	00:00:59	
00:00:59	00:01:29	13	00:00:59	00:01:29	1	00:00:59	00:01:29	1
00:01:29	00:02:06		00:01:29	00:02:06		00:01:29	00:02:06	
00:02:06	00:02:10	13	00:02:06	00:02:10	1	00:02:06	00:02:10	1
00:02:10	00:02:22		00:02:10	00:02:22		00:02:10	00:02:22	
00:02:22	00:02:26	10	00:02:22	00:02:26	2	00:02:22	00:02:26	1
00:02:26	00:02:30	10	00:02:26	00:02:30	2	00:02:26	00:02:30	1
00:02:30	00:02:47	10	00:02:30	00:02:47	2	00:02:30	00:02:47	1
00:02:47	00:03:28		00:02:47	00:03:28		00:02:47	00:03:28	
00:03:28	00:03:35	10	00:03:28	00:03:53	2	00:03:28	00:03:35	1
00:03:35	00:03:53	5	00:03:53	00:04:18		00:03:35	00:03:53	5
00:03:53	00:04:18		00:04:18	00:04:34	2	00:03:53	00:04:18	
00:04:18	00:04:34	10	00:04:34	00:04:36		00:04:18	00:04:26	1
00:04:34	00:04:36		00:04:36	00:04:41	2	00:04:26	00:04:34	5
00:04:36	00:04:41	10	00:04:41	00:05:03		00:04:34	00:04:36	
00:04:41	00:05:03		00:05:03	00:05:10	2	00:04:36	00:04:41	1
00:05:03	00:05:10	10	00:05:10	00:05:17	2	00:04:41	00:05:03	
00:05:10	00:05:17	10	00:05:17	00:05:24	2	00:05:03	00:05:24	5
00:05:17	00:05:24	10	00:05:24	00:06:28		00:05:24	00:06:28	
00:05:24	00:06:28		00:06:28	00:06:38	2	00:06:28	00:06:38	5
00:06:28	00:06:38	10	00:06:38	00:06:47		00:06:38	00:06:47	
00:06:38	00:06:47		00:06:47	00:06:51	2	00:06:47	00:06:51	5
00:06:47	00:06:51	10	00:06:51	00:08:23		00:06:51	00:08:23	
00:06:51	00:08:23		00:08:23	00:08:48	1	00:08:23	00:08:48	2
00:08:23	00:08:48	5	00:08:48	00:08:50		00:08:48	00:08:50	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:08:48	00:08:50		00:08:50	00:08:53	1	00:08:50	00:08:53	1
00:08:50	00:08:53	4	00:08:53	00:09:06		00:08:53	00:09:06	
00:08:53	00:09:06		00:09:06	00:09:08	1	00:09:06	00:09:08	1
00:09:06	00:09:08	10	00:09:08	00:09:26		00:09:08	00:09:26	
00:09:08	00:09:26		00:09:26	00:09:43	1	00:09:26	00:09:43	2
00:09:26	00:09:43	5	00:09:43	00:09:46		00:09:43	00:09:46	
00:09:43	00:09:46		00:09:46	00:09:55	1	00:09:46	00:09:55	1
00:09:46	00:09:55	13	00:09:55	00:10:05		00:09:55	00:10:05	
00:09:55	00:10:05		00:10:05	00:10:16	1	00:10:05	00:10:16	2
00:10:05	00:10:16	1	00:10:16	00:10:25		00:10:16	00:10:25	
00:10:16	00:10:25		00:10:25	00:10:40	1	00:10:25	00:10:40	2
00:10:25	00:10:40	5	00:10:40	00:11:02		00:10:40	00:11:02	
00:10:40	00:11:02		00:11:02	00:11:50	1	00:11:02	00:11:50	2
00:11:02	00:11:50	5	00:11:50	00:12:12	2	00:11:50	00:12:12	2
00:11:50	00:12:12	5	00:12:12	00:12:26	1	00:12:12	00:12:26	2
00:12:12	00:12:26	5	00:12:26	00:12:32		00:12:26	00:12:32	
00:12:26	00:12:32		00:12:32	00:12:52	1	00:12:32	00:12:52	2
00:12:32	00:12:52	5	00:12:52	00:13:08		00:12:52	00:13:08	
00:12:52	00:13:08		00:13:08	00:13:56	1	00:13:08	00:13:56	2
00:13:08	00:13:56	5	00:13:56	00:14:06		00:13:56	00:14:06	
00:13:56	00:14:06		00:14:06	00:14:14	1	00:14:06	00:14:14	2
00:14:06	00:14:14	1	00:14:14	00:14:22		00:14:14	00:14:22	
00:14:14	00:14:22		00:14:22	00:14:30	1	00:14:22	00:14:30	1
00:14:22	00:14:30	10	00:14:30	00:14:34		00:14:30	00:14:34	
00:14:30	00:14:34		00:14:34	00:14:42	1	00:14:34	00:14:42	1
00:14:34	00:14:42	10	00:14:42	00:15:02		00:14:42	00:15:02	
00:14:42	00:15:02		00:15:02	00:15:12	1	00:15:02	00:15:12	2

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:15:02	00:15:12	5	00:15:12	00:15:26		00:15:12	00:15:26	
00:15:12	00:15:26		00:15:26	00:15:30	1	00:15:26	00:15:30	2
00:15:26	00:15:30	5	00:15:30	00:15:34		00:15:30	00:15:34	
00:15:30	00:15:34		00:15:34	00:15:40	1	00:15:34	00:15:40	2
00:15:34	00:15:40	5	00:15:40	00:15:52		00:15:40	00:15:52	
00:15:40	00:15:52		00:15:52	00:15:58	1	00:15:52	00:15:58	2
00:15:52	00:15:58	5	00:15:58	00:16:04		00:15:58	00:16:04	
00:15:58	00:16:04		00:16:04	00:16:40	1	00:16:04	00:16:40	2
00:16:04	00:16:40	1	00:16:40	00:16:55		00:16:40	00:16:55	
00:16:40	00:16:55		00:16:55	00:17:03	1	00:16:55	00:17:03	2
00:16:55	00:17:03	5	00:17:03	00:19:26		00:17:03	00:19:26	
00:17:03	00:19:26		00:19:26	00:19:31	1	00:19:26	00:19:31	1
00:19:26	00:19:31	10	00:19:31	00:19:36		00:19:31	00:19:36	
00:19:31	00:19:36		00:19:36	00:20:02	1	00:19:36	00:20:02	2
00:19:36	00:20:02	5	00:20:02	00:20:24		00:20:02	00:20:24	
00:20:02	00:20:24		00:20:24	00:20:38	1	00:20:24	00:20:38	2
00:20:24	00:20:38	5	00:20:38	00:21:16		00:20:38	00:21:16	
00:20:38	00:21:16		00:21:16	00:21:34	1	00:21:16	00:21:34	2
00:21:16	00:21:34	1	00:21:34	00:22:08		00:21:34	00:22:08	
00:21:34	00:22:08		00:22:08	00:22:26	1	00:22:08	00:22:26	2
00:22:08	00:22:26	1	00:22:26	00:22:40		00:22:26	00:22:40	
00:22:26	00:22:40		00:22:40	00:23:44	1	00:22:40	00:23:44	2
00:22:40	00:23:44	8	00:23:44	00:23:52		00:23:44	00:23:52	
00:23:44	00:23:52		00:23:52	00:25:18	1	00:23:52	00:25:18	2
00:23:52	00:25:18	1	00:25:18	00:25:42		00:25:18	00:25:42	
00:25:18	00:25:42		00:25:42	00:25:56	1	00:25:42	00:25:56	1
00:25:42	00:25:56	10	00:25:56	00:25:58		00:25:56	00:25:58	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:25:56	00:25:58		00:25:58	00:26:10	1	00:25:58	00:26:10	1
00:25:58	00:26:10	10	00:26:10	00:27:32		00:26:10	00:27:32	
00:26:10	00:27:32		00:27:32	00:27:36	2	00:27:32	00:27:36	5
00:27:32	00:27:36	10	00:27:36	00:27:56		00:27:36	00:27:56	
00:27:36	00:27:56		00:27:56	00:28:08	2	00:27:56	00:28:08	5
00:27:56	00:28:08	10	00:28:08	00:29:54		00:28:08	00:29:54	
00:28:08	00:29:54		00:29:54	00:29:59	1	00:29:54	00:29:59	1
00:29:54	00:29:59	10	00:29:59	00:30:04		00:29:59	00:30:47	
00:29:59	00:30:04		00:30:04	00:30:10	1	00:30:47	00:30:52	1
00:30:04	00:30:10	10	00:30:10	00:30:47		00:30:52	00:30:57	
00:30:10	00:30:47		00:30:47	00:30:52	1	00:30:57	00:31:24	1
00:30:47	00:30:52	10	00:30:52	00:30:57		00:31:24	00:35:23	
00:30:52	00:30:57		00:30:57	00:31:24	1			
00:30:57	00:31:24	10	00:31:24	00:35:23				
00:31:24	00:35:23							

Tabelle 167: Kodierte Zmodi d. Gruppe BF_C_A4; ges. Bearbeitzeit 1890s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	177	0,093651	22,6%	9,4%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	3	0,001587	0,4%	0,2%
5	301	0,159259	38,4%	15,9%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	64	0,033862	8,2%	3,4%
9	0	0	0,0%	0,0%
10	196	0,103704	25,0%	10,4%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	43	0,022751	5,5%	2,3%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	784			

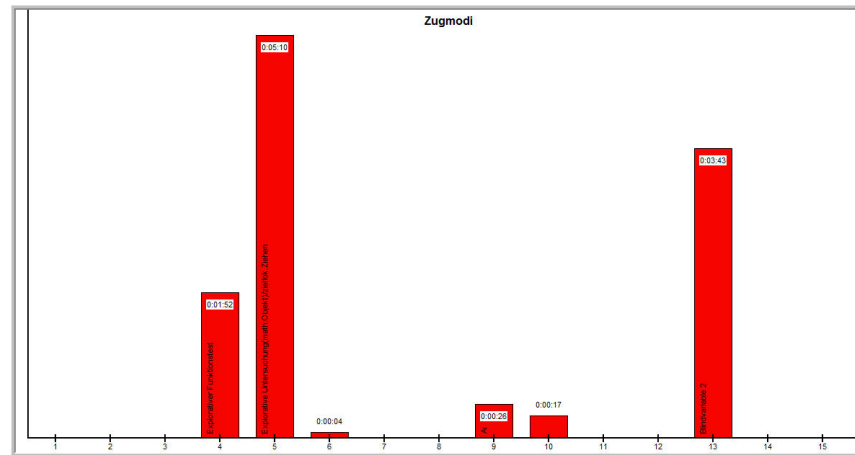
Tabelle 168: Verwendete Artefakteinschränkung der Gruppe BF_C_A4

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	640	0,816327	81,6%
2	144	0,183673	18,4%
3	0	0	0,0%
4	0	0	0,0%

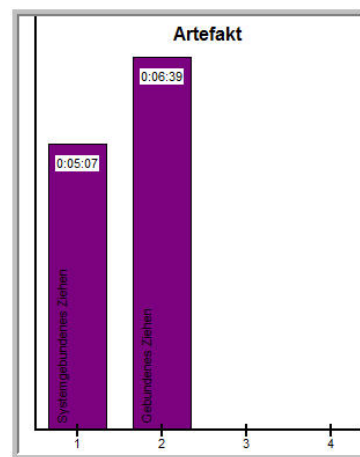
Tabelle 169: Verwendete Komplexitätsstufen der Gruppe BF_C_A4

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	177	0,225765	22,6%
2	524	0,668367	66,8%
3	0	0	0,0%
4	0	0	0,0%
5	77	0,09821	9,8%

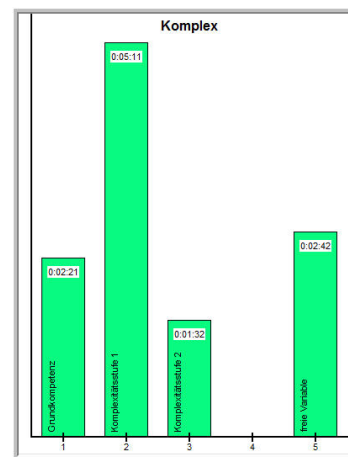
B.4.4 Gruppe DK1_C_A4



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 22: Auswertung des Zugverhaltens der Gruppe DK1_C_A4

Tabelle 170: Auswertung der Gruppe DK1_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:01:53		00:00:00	00:01:53		00:00:00	00:01:53	
00:01:53	00:01:55	13	00:01:53	00:01:55	2	00:01:53	00:01:55	1
00:01:55	00:02:24		00:01:55	00:02:24		00:01:55	00:02:24	
00:02:24	00:02:29	5	00:02:24	00:02:29	2	00:02:24	00:02:29	5
00:02:29	00:02:30		00:02:29	00:02:30		00:02:29	00:02:30	
00:02:30	00:02:40	5	00:02:30	00:02:40	2	00:02:30	00:02:40	5
00:02:40	00:03:21		00:02:40	00:03:21		00:02:40	00:03:21	
00:03:21	00:03:38	13	00:03:21	00:03:38	1	00:03:21	00:03:38	1
00:03:38	00:03:41		00:03:38	00:03:41		00:03:38	00:03:41	
00:03:41	00:03:59	4	00:03:41	00:03:59	2	00:03:41	00:03:59	5
00:03:59	00:04:09	4	00:03:59	00:04:09	2	00:03:59	00:04:09	1
00:04:09	00:07:12		00:04:09	00:07:12		00:04:09	00:07:12	
00:07:12	00:07:55	13	00:07:12	00:07:55	1	00:07:12	00:07:55	2
00:07:55	00:07:59		00:07:55	00:07:59		00:07:55	00:07:59	
00:07:59	00:08:01	10	00:07:59	00:08:01	2	00:07:59	00:08:01	2
00:08:01	00:08:19		00:08:01	00:08:19		00:08:01	00:08:19	
00:08:19	00:08:28	13	00:08:19	00:08:28	1	00:08:19	00:08:28	2
00:08:28	00:08:39		00:08:28	00:08:39		00:08:28	00:08:39	
00:08:39	00:08:47	13	00:08:39	00:08:47	1	00:08:39	00:08:47	2
00:08:47	00:09:05		00:08:47	00:09:05		00:08:47	00:09:05	
00:09:05	00:09:23	13	00:09:05	00:09:23	1	00:09:05	00:09:23	2
00:09:23	00:09:28		00:09:23	00:09:28		00:09:23	00:09:28	
00:09:28	00:09:30	10	00:09:28	00:09:30	2	00:09:28	00:09:30	5
00:09:30	00:10:08		00:09:30	00:10:08		00:09:30	00:10:08	
00:10:08	00:10:13	13	00:10:08	00:10:13	1	00:10:08	00:10:13	1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:10:13	00:11:39		00:10:13	00:10:29		00:10:13	00:10:29	
00:11:39	00:11:44	5	00:10:29	00:10:43	2	00:10:29	00:10:43	2
00:11:44	00:11:54		00:10:43	00:11:39		00:10:43	00:11:39	
00:11:54	00:12:01	5	00:11:39	00:11:44	2	00:11:39	00:11:44	2
00:12:01	00:12:12		00:11:44	00:11:54		00:11:44	00:11:54	
00:12:12	00:12:36	5	00:11:54	00:12:01	2	00:11:54	00:12:01	5
00:12:36	00:12:45		00:12:01	00:12:12		00:12:01	00:12:12	
00:12:45	00:12:51	5	00:12:12	00:12:36	2	00:12:12	00:12:36	2
00:12:51	00:13:03		00:12:36	00:12:45		00:12:36	00:12:45	
00:13:03	00:13:13	5	00:12:45	00:12:51	2	00:12:45	00:12:51	5
00:13:13	00:13:15		00:12:51	00:13:03		00:12:51	00:13:03	
00:13:15	00:13:25	4	00:13:03	00:13:13	2	00:13:03	00:13:13	2
00:13:25	00:13:33		00:13:13	00:13:15		00:13:13	00:13:15	
00:13:33	00:13:37	5	00:13:15	00:13:25	2	00:13:15	00:13:25	1
00:13:37	00:14:18		00:13:25	00:13:33		00:13:25	00:13:33	
00:14:18	00:14:22	13	00:13:33	00:13:37	2	00:13:33	00:13:37	2
00:14:22	00:14:35		00:13:37	00:14:18		00:13:37	00:14:18	
00:14:35	00:14:39	6	00:14:18	00:14:22	2	00:14:18	00:14:22	1
00:14:39	00:16:24		00:14:22	00:14:35		00:14:22	00:14:35	
00:16:24	00:16:41	4	00:14:35	00:14:39	2	00:14:35	00:14:39	2
00:16:41	00:16:53		00:14:39	00:16:24		00:14:39	00:16:24	
00:16:53	00:16:58	13	00:16:24	00:16:41	2	00:16:24	00:16:41	2
00:16:58	00:17:21		00:16:41	00:16:53		00:16:41	00:16:53	
00:17:21	00:17:29	4	00:16:53	00:16:58	1	00:16:53	00:16:58	2
00:17:29	00:18:25		00:16:58	00:17:21		00:16:58	00:17:21	
00:18:25	00:18:27	10	00:17:21	00:17:29	2	00:17:21	00:17:29	2
00:18:27	00:19:11		00:17:29	00:18:25		00:17:29	00:18:25	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:19:11	00:19:14	13	00:18:25	00:18:27	2	00:18:25	00:18:27	5
00:19:14	00:19:49		00:18:27	00:19:11		00:18:27	00:19:11	
00:19:49	00:19:59	5	00:19:11	00:19:14	2	00:19:11	00:19:14	2
00:19:59	00:20:09		00:19:14	00:19:49		00:19:14	00:19:49	
00:20:09	00:20:14	10	00:19:49	00:19:59	2	00:19:49	00:19:59	2
00:20:14	00:20:24		00:19:59	00:20:09		00:19:59	00:20:09	
00:20:24	00:20:30	10	00:20:09	00:20:14	2	00:20:09	00:20:14	1
00:20:30	00:20:49		00:20:14	00:20:24		00:20:14	00:20:24	
00:20:49	00:21:00	13	00:20:24	00:20:30	2	00:20:24	00:20:30	1
00:21:00	00:22:28		00:20:30	00:20:49		00:20:30	00:20:49	
00:22:28	00:22:35	5	00:20:49	00:21:00	1	00:20:49	00:21:00	2
00:22:35	00:22:43		00:21:00	00:22:28		00:21:00	00:22:28	
00:22:43	00:22:46	13	00:22:28	00:22:35	2	00:22:28	00:22:35	3
00:22:46	00:23:12		00:22:35	00:22:43		00:22:35	00:22:43	
00:23:12	00:23:19	5	00:22:43	00:22:46	2	00:22:43	00:22:46	2
00:23:19	00:23:43		00:22:46	00:23:12		00:22:46	00:23:12	
00:23:43	00:23:47	13	00:23:12	00:23:19	2	00:23:12	00:23:19	3
00:23:47	00:23:55		00:23:19	00:23:43		00:23:19	00:23:43	
00:23:55	00:24:10	5	00:23:43	00:23:47	1	00:23:43	00:23:47	1
00:24:10	00:24:55		00:23:47	00:23:55		00:23:47	00:23:55	
00:24:55	00:25:02	5	00:23:55	00:24:10	1	00:23:55	00:24:10	2
00:25:02	00:26:38		00:24:10	00:24:55		00:24:10	00:24:55	
00:26:38	00:26:42	13	00:24:55	00:25:02	2	00:24:55	00:25:02	3
00:26:42	00:28:18		00:25:02	00:26:38		00:25:02	00:26:38	
00:28:18	00:28:27	5	00:26:38	00:26:42	2	00:26:38	00:26:42	3
00:28:27	00:28:31		00:26:42	00:28:18		00:26:42	00:28:18	
00:28:31	00:28:34	5	00:28:18	00:28:27	2	00:28:18	00:28:27	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:28:34	00:28:43	5	00:28:27	00:28:31		00:28:27	00:28:31	
00:28:43	00:29:11		00:28:31	00:28:34	2	00:28:31	00:28:34	2
00:29:11	00:29:16	9	00:28:34	00:28:43	2	00:28:34	00:28:43	5
00:29:16	00:29:22		00:28:43	00:29:11		00:28:43	00:29:11	
00:29:22	00:29:29	9	00:29:11	00:29:16	2	00:29:11	00:29:16	5
00:29:29	00:29:34		00:29:16	00:29:22		00:29:16	00:29:22	
00:29:34	00:29:46	5	00:29:22	00:29:29	2	00:29:22	00:29:29	5
00:29:46	00:30:03		00:29:29	00:29:34		00:29:29	00:29:34	
00:30:03	00:30:21	5	00:29:34	00:29:46	2	00:29:34	00:29:46	5
00:30:21	00:31:00		00:29:46	00:30:03		00:29:46	00:30:03	
00:31:00	00:31:07	5	00:30:03	00:30:21	2	00:30:03	00:30:21	5
00:31:07	00:31:33		00:30:21	00:31:00		00:30:21	00:31:00	
00:31:33	00:31:40	13	00:31:00	00:31:07	2	00:31:00	00:31:07	5
00:31:40	00:31:43		00:31:07	00:31:33		00:31:07	00:31:33	
00:31:43	00:31:48	4	00:31:33	00:31:40	1	00:31:33	00:31:40	3
00:31:48	00:31:59		00:31:40	00:31:43		00:31:40	00:31:43	
00:31:59	00:32:04	5	00:31:43	00:31:48	2	00:31:43	00:31:48	3
00:32:04	00:32:44		00:31:48	00:31:59		00:31:48	00:31:59	
00:32:44	00:32:50	5	00:31:59	00:32:04	2	00:31:59	00:32:04	3
00:32:50	00:33:51		00:32:04	00:32:44		00:32:04	00:32:44	
00:33:51	00:34:04	13	00:32:44	00:32:50	2	00:32:44	00:32:50	3
00:34:04	00:34:25		00:32:50	00:33:51		00:32:50	00:33:51	
00:34:25	00:34:30	5	00:33:51	00:34:04	1	00:33:51	00:34:04	3
00:34:30	00:34:53		00:34:04	00:34:25		00:34:04	00:34:25	
00:34:53	00:35:09	5	00:34:25	00:34:30	2	00:34:25	00:34:30	3
00:35:09	00:36:21		00:34:30	00:34:53		00:34:30	00:34:53	
00:36:21	00:36:43	5	00:34:53	00:35:09	2	00:34:53	00:35:09	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:36:43	00:38:31		00:35:09	00:36:21		00:35:09	00:36:21	
00:38:31	00:38:33	13	00:36:21	00:36:43	2	00:36:21	00:36:43	5
00:38:33	00:39:10		00:36:43	00:38:31		00:36:43	00:38:31	
00:39:10	00:39:15	5	00:38:31	00:38:33	1	00:38:31	00:38:33	1
00:39:15	00:39:45		00:38:33	00:39:10		00:38:33	00:39:10	
00:39:45	00:39:57	5	00:39:10	00:39:15	2	00:39:10	00:39:15	3
00:39:57	00:41:20		00:39:15	00:39:45		00:39:15	00:39:45	
00:41:20	00:41:38	13	00:39:45	00:39:57	2	00:39:45	00:39:57	3
00:41:38	00:42:00		00:39:57	00:41:20		00:39:57	00:41:20	
00:42:00	00:42:31	4	00:41:20	00:41:38	1	00:41:20	00:41:38	1
00:42:31	00:43:02		00:41:38	00:42:00		00:41:38	00:42:00	
00:43:02	00:43:34	13	00:42:00	00:42:31	1	00:42:00	00:42:31	2
00:43:34	00:43:39		00:42:31	00:43:02		00:42:31	00:43:02	
00:43:39	00:43:50	5	00:43:02	00:43:34	1	00:43:02	00:43:34	1
00:43:50	00:44:44		00:43:34	00:43:39		00:43:34	00:43:39	
00:44:44	00:44:48	13	00:43:39	00:43:50	1	00:43:39	00:43:50	1
00:44:48	00:44:52		00:43:50	00:44:44		00:43:50	00:44:44	
00:44:52	00:44:57	13	00:44:44	00:44:48	1	00:44:44	00:44:48	1
00:44:57	00:45:00		00:44:48	00:44:52		00:44:48	00:44:52	
00:45:00	00:45:13	4	00:44:52	00:44:57	1	00:44:52	00:44:57	1
00:45:13	00:46:50		00:44:57	00:45:00		00:44:57	00:45:00	
00:46:50	00:46:56	13	00:45:00	00:45:13	1	00:45:00	00:45:13	2
00:46:56	00:47:26		00:45:13	00:46:50		00:45:13	00:46:50	
00:47:26	00:47:32	5	00:46:50	00:46:56	1	00:46:50	00:46:56	1
00:47:32	00:47:34		00:46:56	00:47:26		00:46:56	00:47:26	
00:47:34	00:47:49	5	00:47:26	00:47:32	2	00:47:26	00:47:32	2
00:47:49	00:47:55		00:47:32	00:47:34		00:47:32	00:47:34	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:47:55	00:48:09	9	00:47:34	00:47:49	2	00:47:34	00:47:49	2
00:48:09	00:48:13		00:47:49	00:47:55		00:47:49	00:47:55	
00:48:13	00:48:29	5	00:47:55	00:48:09	1	00:47:55	00:48:09	2
00:48:29	00:48:39		00:48:09	00:48:13		00:48:09	00:48:13	
00:48:39	00:48:55	5	00:48:13	00:48:29	2	00:48:13	00:48:29	5
00:48:55	00:51:19		00:48:29	00:48:39		00:48:29	00:48:39	
			00:48:39	00:48:55	1	00:48:39	00:48:55	2
			00:48:55	00:51:19		00:48:55	00:51:19	

Tabelle 171: Kodierte Zmodi d. Gruppe DK1_C_A4; ges. Bearbeitzeit 3000s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	112	0,037333	16,2%	3,7%
5	310	0,103333	44,8%	10,3%
6	4	0,001333	0,6%	0,1%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	26	0,008667	3,8%	0,9%
10	17	0,005667	2,5%	0,6%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	223	0,074333	32,2%	7,4%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	692			

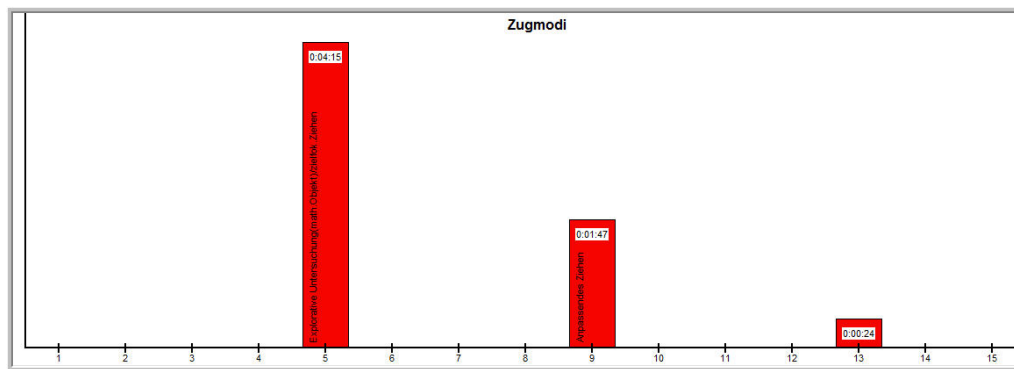
Tabelle 172: Verwendete Artefakteinschränkung der Gruppe DK1_C_A4

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	307	0,443642	44,4%
2	399	0,57659	57,7%
3	0	0	0,0%
4	0	0	0,0%

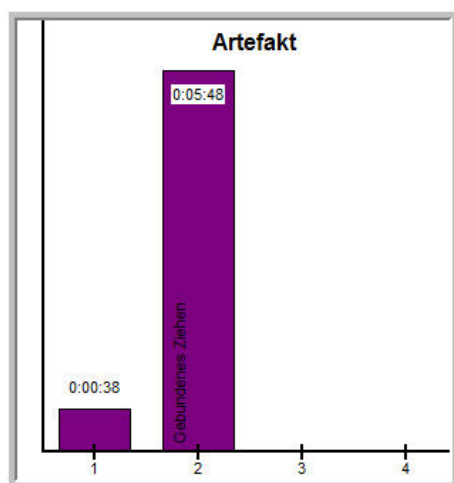
Tabelle 173: Verwendete Komplexitätsstufen der Gruppe DK1_C_A4

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	141	0,203757	20,4%
2	311	0,449422	44,9%
3	92	0,132948	13,3%
4	0	0	0,0%
5	162	0,234104	23,4%

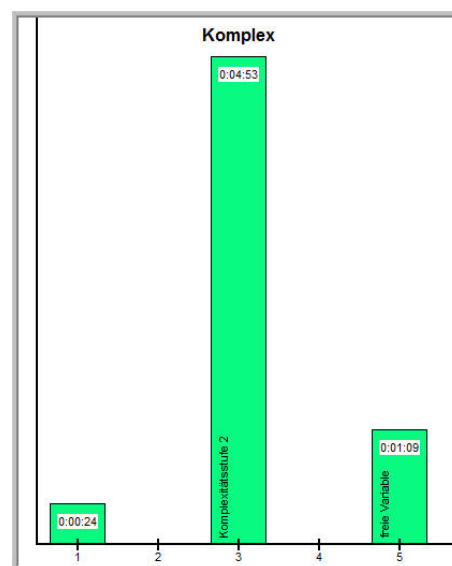
B.4.5 Gruppe DK2_C_A4



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 23: Auswertung des Zugverhaltens der Gruppe DK2_C_A4

Tabelle 174: Auswertung der Gruppe DK2_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:11		00:00:00	00:00:11		00:00:00	00:00:11	
00:00:11	00:00:34	5	00:00:11	00:00:34	2	00:00:11	00:00:34	5
00:00:34	00:00:45		00:00:34	00:00:45		00:00:34	00:00:45	
00:00:45	00:01:00	5	00:00:45	00:01:00	2	00:00:45	00:01:00	5
00:01:00	00:01:40		00:01:00	00:01:40		00:01:00	00:01:40	
00:01:40	00:01:45	13	00:01:40	00:01:45	1	00:01:40	00:01:45	1
00:01:45	00:02:51		00:01:45	00:02:51		00:01:45	00:02:51	
00:02:51	00:02:55	5	00:02:51	00:02:55	2	00:02:51	00:02:55	5
00:02:55	00:04:25		00:02:55	00:04:25		00:02:55	00:04:25	
00:04:25	00:04:34	5	00:04:25	00:04:34	2	00:04:25	00:04:34	5
00:04:34	00:05:14		00:04:34	00:05:14		00:04:34	00:05:14	
00:05:14	00:05:33	13	00:05:14	00:05:33	1	00:05:14	00:05:33	1
00:05:33	00:06:08		00:05:33	00:06:08		00:05:33	00:06:08	
00:06:08	00:06:17	5	00:06:08	00:06:17	2	00:06:08	00:06:17	3
00:06:17	00:06:23		00:06:17	00:06:23		00:06:17	00:06:23	
00:06:23	00:06:28	5	00:06:23	00:06:28	2	00:06:23	00:06:28	3
00:06:28	00:06:31		00:06:28	00:06:31		00:06:28	00:06:31	
00:06:31	00:06:43	5	00:06:31	00:06:43	2	00:06:31	00:06:43	3
00:06:43	00:06:46		00:06:43	00:06:46		00:06:43	00:06:46	
00:06:46	00:07:23	5	00:06:46	00:07:23	2	00:06:46	00:07:23	3
00:07:23	00:07:27		00:07:23	00:07:27		00:07:23	00:07:27	
00:07:27	00:07:58	5	00:07:27	00:07:58	2	00:07:27	00:07:58	3
00:07:58	00:08:06		00:07:58	00:08:06		00:07:58	00:08:06	
00:08:06	00:08:19	5	00:08:06	00:08:19	2	00:08:06	00:08:19	3
00:08:19	00:08:39		00:08:19	00:08:39		00:08:19	00:08:39	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:08:39	00:08:56	5	00:08:39	00:08:56	2	00:08:39	00:08:56	3
00:08:56	00:09:13		00:08:56	00:09:13		00:08:56	00:09:13	
00:09:13	00:09:27	5	00:09:13	00:09:27	1	00:09:13	00:09:27	3
00:09:27	00:09:35		00:09:27	00:09:35		00:09:27	00:09:35	
00:09:35	00:09:41	5	00:09:35	00:09:41	2	00:09:35	00:09:41	3
00:09:41	00:10:20		00:09:41	00:10:20		00:09:41	00:10:20	
00:10:20	00:10:29	5	00:10:20	00:10:29	2	00:10:20	00:10:29	3
00:10:29	00:12:04		00:10:29	00:12:04		00:10:29	00:12:04	
00:12:04	00:12:06	5	00:12:04	00:12:06	2	00:12:04	00:12:06	3
00:12:06	00:15:22		00:12:06	00:15:22		00:12:06	00:15:22	
00:15:22	00:15:26	9	00:15:22	00:15:26	2	00:15:22	00:15:26	3
00:15:26	00:15:55		00:15:26	00:15:55		00:15:26	00:15:55	
00:15:55	00:16:01	9	00:15:55	00:16:01	2	00:15:55	00:16:01	3
00:16:01	00:16:07		00:16:01	00:16:07		00:16:01	00:16:07	
00:16:07	00:16:10	9	00:16:07	00:16:10	2	00:16:07	00:16:10	5
00:16:10	00:16:24		00:16:10	00:16:24		00:16:10	00:16:24	
00:16:24	00:16:30	9	00:16:24	00:16:30	2	00:16:24	00:16:30	3
00:16:30	00:16:40		00:16:30	00:16:40		00:16:30	00:16:40	
00:16:40	00:16:42	5	00:16:40	00:16:42	2	00:16:40	00:16:42	3
00:16:42	00:18:02		00:16:42	00:18:02		00:16:42	00:18:02	
00:18:02	00:18:20	5	00:18:02	00:18:20	2	00:18:02	00:18:20	3
00:18:20	00:18:26		00:18:20	00:18:26		00:18:20	00:18:26	
00:18:26	00:18:35	5	00:18:26	00:18:35	2	00:18:26	00:18:35	3
00:18:35	00:18:59		00:18:35	00:18:59		00:18:35	00:18:59	
00:18:59	00:19:04	5	00:18:59	00:19:04	2	00:18:59	00:19:04	3
00:19:04	00:21:07		00:19:04	00:21:07		00:19:04	00:21:07	
00:21:07	00:21:10	9	00:21:07	00:21:10	2	00:21:07	00:21:10	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:21:10	00:21:20		00:21:10	00:21:20		00:21:10	00:21:20	
00:21:20	00:21:23	5	00:21:20	00:21:23	2	00:21:20	00:21:23	5
00:21:23	00:21:24		00:21:23	00:21:24		00:21:23	00:21:24	
00:21:24	00:21:26	5	00:21:24	00:21:26	2	00:21:24	00:21:26	3
00:21:26	00:21:32		00:21:26	00:21:32		00:21:26	00:21:32	
00:21:32	00:21:38	5	00:21:32	00:21:38	2	00:21:32	00:21:38	3
00:21:38	00:22:11		00:21:38	00:22:11		00:21:38	00:22:11	
00:22:11	00:22:16	9	00:22:11	00:22:16	2	00:22:11	00:22:16	5
00:22:16	00:22:23		00:22:16	00:22:23		00:22:16	00:22:23	
00:22:23	00:23:16	9	00:22:23	00:23:16	2	00:22:23	00:23:16	3
00:23:16	00:23:46		00:23:16	00:23:46		00:23:16	00:23:46	
00:23:46	00:23:50	5	00:23:46	00:23:50	2	00:23:46	00:23:50	5
00:23:50	00:23:53		00:23:50	00:23:53		00:23:50	00:23:53	
00:23:53	00:24:12	9	00:23:53	00:24:12	2	00:23:53	00:24:12	3
00:24:12	00:24:18		00:24:12	00:24:18		00:24:12	00:24:18	
00:24:18	00:24:26	9	00:24:18	00:24:26	2	00:24:18	00:24:26	3
00:24:26	00:34:53		00:24:26	00:34:53		00:24:26	00:34:53	

Tabelle 175: Kodierte Zmodi d. Gruppe DK2_C_A4; ges. Bearbeitzeit 1800s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	255	0,141667	66,1%	14,2%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	107	0,059444	27,7%	5,9%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	24	0,013333	6,2%	1,3%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	386			

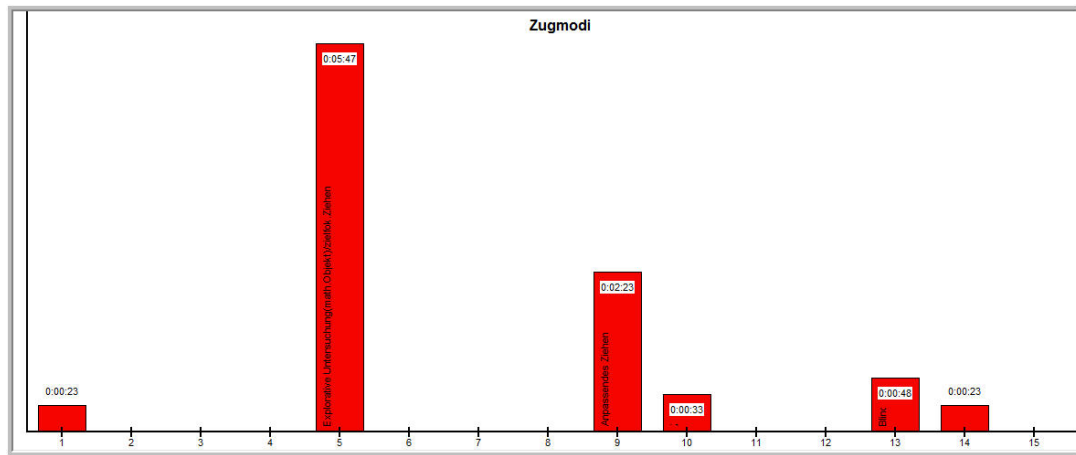
Tabelle 176: Verwendete Artefakteinschränkung der Gruppe DK2_C_A4

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	38	0,098446	9,8%
2	348	0,901554	90,2%
3	0	0	0,0%
4	0	0	0,0%

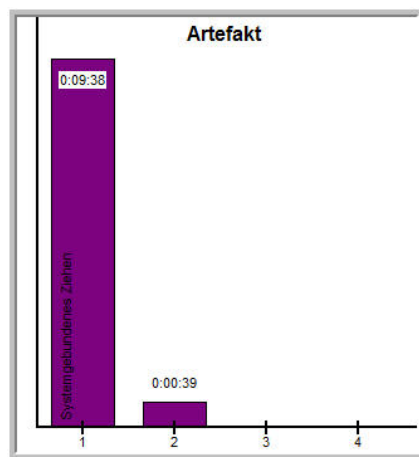
Tabelle 177: Verwendete Komplexitätsstufen der Gruppe DK2_C_A4

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	24	0,062176	6,2%
2	0	0	0,0%
3	297	0,76943	76,9%
4	0	0	0,0%
5	69	0,178756	17,9%

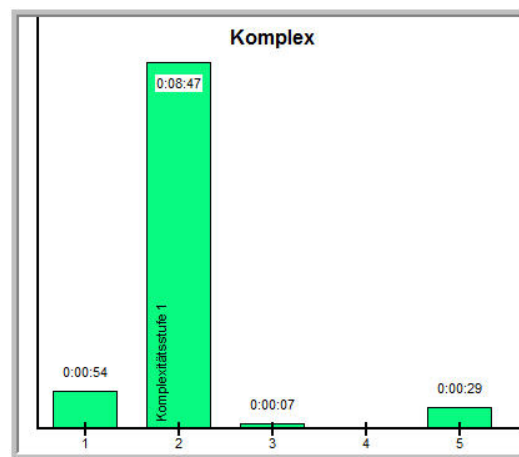
B.4.6 Gruppe FH_C_A4



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 24: Auswertung des Zugverhaltens der Gruppe FH_C_A4

Tabelle 178: Auswertung der Gruppe FH_C_A4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:19		00:00:00	00:00:19		00:00:00	00:00:19	
00:00:19	00:00:28	5	00:00:19	00:00:28	2	00:00:19	00:00:28	5
00:00:28	00:00:30		00:00:28	00:00:30		00:00:28	00:00:30	
00:00:30	00:00:41	5	00:00:30	00:00:41	2	00:00:30	00:00:41	5
00:00:41	00:03:19		00:00:41	00:03:19		00:00:41	00:03:19	
00:03:19	00:03:26	5	00:03:19	00:03:26	2	00:03:19	00:03:26	3
00:03:26	00:03:30		00:03:26	00:03:30		00:03:26	00:03:30	
00:03:30	00:03:54	5	00:03:30	00:03:54	1	00:03:30	00:03:54	2
00:03:54	00:04:18		00:03:54	00:04:18		00:03:54	00:04:18	
00:04:18	00:04:28	5	00:04:18	00:04:28	1	00:04:18	00:04:28	2
00:04:28	00:04:42		00:04:28	00:04:42		00:04:28	00:04:42	
00:04:42	00:04:50	5	00:04:42	00:04:50	1	00:04:42	00:04:50	2
00:04:50	00:06:13		00:04:50	00:06:13		00:04:50	00:06:13	
00:06:13	00:06:22	14	00:06:13	00:06:22	2	00:06:13	00:06:22	5
00:06:22	00:06:58		00:06:22	00:06:58		00:06:22	00:06:58	
00:06:58	00:07:08	5	00:06:58	00:07:08	1	00:06:58	00:07:08	2
00:07:08	00:07:14		00:07:08	00:07:14		00:07:08	00:07:14	
00:07:14	00:07:37	1	00:07:14	00:07:37	1	00:07:14	00:07:37	2
00:07:37	00:10:00		00:07:37	00:10:00		00:07:37	00:10:00	
00:10:00	00:10:15	5	00:10:00	00:10:15	1	00:10:00	00:10:15	2
00:10:15	00:10:41		00:10:15	00:10:41		00:10:15	00:10:41	
00:10:41	00:11:00	5	00:10:41	00:11:00	1	00:10:41	00:11:00	2
00:11:00	00:11:08		00:11:00	00:11:08		00:11:00	00:11:08	
00:11:08	00:11:14	5	00:11:08	00:11:14	1	00:11:08	00:11:14	2
00:11:14	00:11:50		00:11:14	00:11:50		00:11:14	00:11:50	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:11:50	00:11:53	5	00:11:50	00:11:53	1	00:11:50	00:11:53	2
00:11:53	00:12:08		00:11:53	00:12:08		00:11:53	00:12:08	
00:12:08	00:12:16	5	00:12:08	00:12:16	1	00:12:08	00:12:16	2
00:12:16	00:13:45		00:12:16	00:13:45		00:12:16	00:13:45	
00:13:45	00:13:53	5	00:13:45	00:13:53	1	00:13:45	00:13:53	2
00:13:53	00:14:01		00:13:53	00:14:01		00:13:53	00:14:01	
00:14:01	00:14:38	9	00:14:01	00:14:38	1	00:14:01	00:14:38	2
00:14:38	00:15:33		00:14:38	00:15:33		00:14:38	00:15:33	
00:15:33	00:15:48	5	00:15:33	00:15:48	1	00:15:33	00:15:48	2
00:15:48	00:16:07		00:15:48	00:16:07		00:15:48	00:16:07	
00:16:07	00:16:17	5	00:16:07	00:16:17	1	00:16:07	00:16:17	2
00:16:17	00:16:21		00:16:17	00:16:21		00:16:17	00:16:21	
00:16:21	00:16:31	5	00:16:21	00:16:31	1	00:16:21	00:16:31	2
00:16:31	00:17:01		00:16:31	00:17:01		00:16:31	00:17:01	
00:17:01	00:17:13	9	00:17:01	00:17:13	1	00:17:01	00:17:13	2
00:17:13	00:19:08		00:17:13	00:19:08		00:17:13	00:19:08	
00:19:08	00:19:20	5	00:19:08	00:19:20	1	00:19:08	00:19:20	2
00:19:20	00:19:38		00:19:20	00:19:38		00:19:20	00:19:38	
00:19:38	00:20:05	5	00:19:38	00:20:05	1	00:19:38	00:20:05	2
00:20:05	00:21:25		00:20:05	00:21:25		00:20:05	00:21:25	
00:21:25	00:21:35	14	00:21:25	00:21:35	1	00:21:25	00:21:35	2
00:21:35	00:22:25		00:21:35	00:22:25		00:21:35	00:22:25	
00:22:25	00:23:59	9	00:22:25	00:23:59	1	00:22:25	00:23:59	2
00:23:59	00:26:21		00:23:59	00:26:21		00:23:59	00:26:21	
00:26:21	00:26:54	10	00:26:21	00:26:54	1	00:26:21	00:26:54	1
00:26:54	00:28:21		00:26:54	00:28:21		00:26:54	00:28:21	
00:28:21	00:28:25	14	00:28:21	00:28:25	1	00:28:21	00:28:25	2

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:28:25	00:29:06		00:28:25	00:29:06		00:28:25	00:29:06	
00:29:06	00:29:12	5	00:29:06	00:29:12	1	00:29:06	00:29:12	2
00:29:12	00:29:15		00:29:12	00:29:15		00:29:12	00:29:15	
00:29:15	00:29:17	5	00:29:15	00:29:17	1	00:29:15	00:29:17	2
00:29:17	00:30:38		00:29:17	00:30:38		00:29:17	00:30:38	
00:30:38	00:30:41	5	00:30:38	00:30:41	2	00:30:38	00:30:41	2
00:30:41	00:30:44		00:30:41	00:30:44		00:30:41	00:30:44	
00:30:44	00:30:48	5	00:30:44	00:30:48	1	00:30:44	00:30:48	2
00:30:48	00:30:50		00:30:48	00:30:50		00:30:48	00:30:50	
00:30:50	00:31:03	5	00:30:50	00:31:03	1	00:30:50	00:31:03	2
00:31:03	00:31:22		00:31:03	00:31:22		00:31:03	00:31:22	
00:31:22	00:31:26	5	00:31:22	00:31:26	1	00:31:22	00:31:26	2
00:31:26	00:32:07		00:31:26	00:32:07		00:31:26	00:32:07	
00:32:07	00:32:12	5	00:32:07	00:32:12	1	00:32:07	00:32:12	2
00:32:12	00:32:22		00:32:12	00:32:22		00:32:12	00:32:22	
00:32:22	00:32:32	5	00:32:22	00:32:32	1	00:32:22	00:32:32	2
00:32:32	00:33:18		00:32:32	00:33:18		00:32:32	00:33:18	
00:33:18	00:33:24	5	00:33:18	00:33:24	1	00:33:18	00:33:24	2
00:33:24	00:33:41		00:33:24	00:33:41		00:33:24	00:33:41	
00:33:41	00:33:48	5	00:33:41	00:33:48	1	00:33:41	00:33:48	2
00:33:48	00:33:56		00:33:48	00:33:56		00:33:48	00:33:56	
00:33:56	00:34:17	5	00:33:56	00:34:17	1	00:33:56	00:34:17	2
00:34:17	00:36:45		00:34:17	00:36:45		00:34:17	00:36:45	
00:36:45	00:36:54	5	00:36:45	00:36:54	1	00:36:45	00:36:54	2
00:36:54	00:37:01		00:36:54	00:37:01		00:36:54	00:37:01	
00:37:01	00:37:31	5	00:37:01	00:37:31	1	00:37:01	00:37:31	2
00:37:31	00:38:15		00:37:31	00:38:15		00:37:31	00:38:15	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:38:15	00:38:36	13	00:38:15	00:38:36	1	00:38:15	00:38:36	1
00:38:36	00:39:01		00:38:36	00:39:01		00:38:36	00:39:01	
00:39:01	00:39:16	13	00:39:01	00:39:16	1	00:39:01	00:39:16	2
00:39:16	00:40:17		00:39:16	00:40:17		00:39:16	00:40:17	
00:40:17	00:40:32	5	00:40:17	00:40:32	1	00:40:17	00:40:32	2
00:40:32	00:42:59		00:40:32	00:42:59		00:40:32	00:42:59	
00:42:59	00:43:11	13	00:42:59	00:43:11	1	00:42:59	00:43:11	2
00:43:11	00:47:23		00:43:11	00:47:23		00:43:11	00:47:23	

Tabelle 179: Kodierte Zmodi d. Gruppe FH_C_A4; ges. Bearbeitzeit 2580s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	23	0,008915	3,7%	0,9%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	347	0,134496	56,2%	13,4%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	143	0,055426	23,2%	5,5%
10	33	0,012791	5,3%	1,3%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	48	0,018605	7,8%	1,9%
14	23	0,008915	3,7%	0,9%
15	0	0	0,0%	0,0%
Summe:	617			

Tabelle 180: Verwendete Artefakteinschränkung der Gruppe FH_C_A4

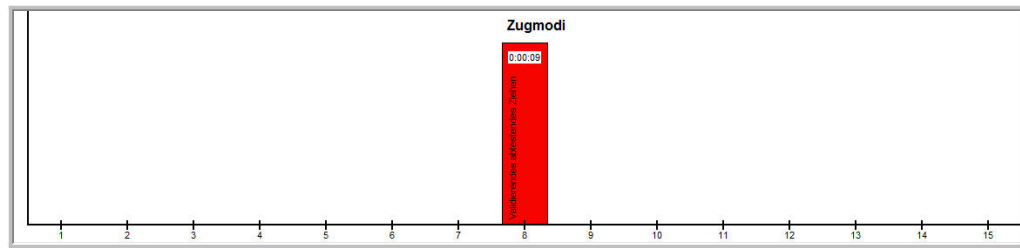
Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt in %
1	578	0,936791	93,7%
2	39	0,063209	6,3%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 181: Verwendete Komplexitätsstufen der Gruppe FH_C_A4

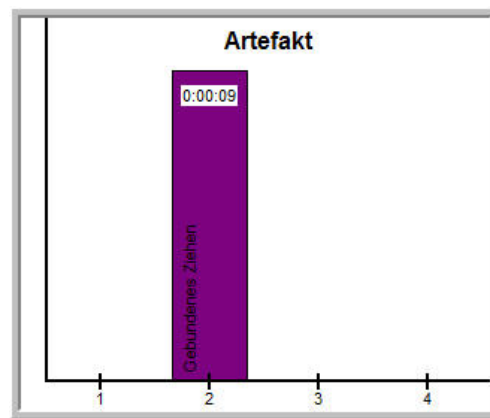
Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe in %
1	54	0,08752	8,8%
2	527	0,854133	85,4%
3	7	0,011345	1,1%
4	0	0	0,0%
5	29	0,047002	4,7%

B.5 Aufgabe V Würfelkonstruktion

B.5.1 Gruppe AL_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 25: Auswertung des Zugverhaltens der Gruppe AL_C_A5

Tabelle 182: Auswertung der Gruppe AL_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:08:24		00:00:00	00:08:24	
00:08:24	00:08:33	8	00:08:24	00:08:33	2
00:08:33	00:09:25		00:08:33	00:09:25	

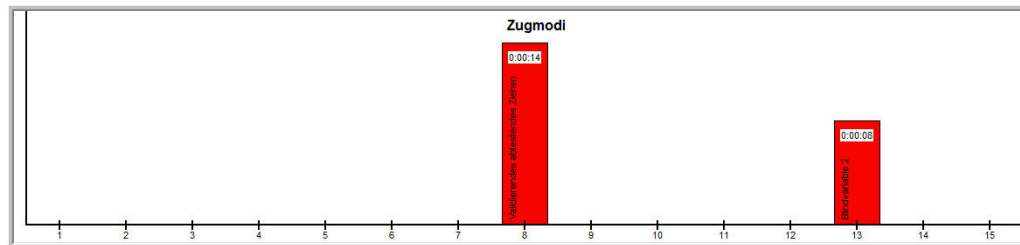
Tabelle 183: Kodierte Zmodi d. Gruppe AL_C_A5 ; ges.Bearbzeit 540 s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	9	0,016667	100,0%	1,7%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	0	0	0,0%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	9			

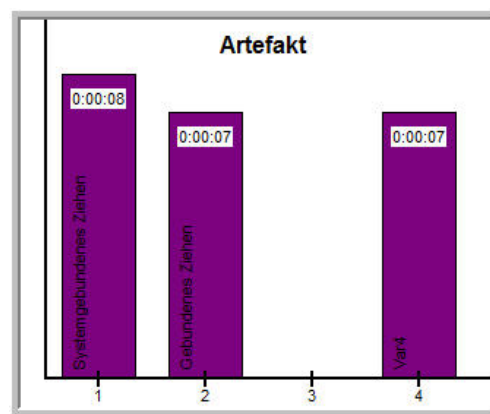
Tabelle 184: Verwendete Artefakteinschränkung der Gruppe AL_C_A5

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	9	1	100,0%
3	0	0	0,0%
4	0	0	0,0%

B.5.2 Gruppe BW_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 26: Auswertung des Zugverhaltens der Gruppe BW_C_A5

Tabelle 185: Auswertung der Gruppe BW_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:00:57		00:00:00	00:00:57	
00:00:57	00:01:05	13	00:00:57	00:01:05	1
00:01:05	00:07:58		00:01:05	00:07:58	
00:07:58	00:08:05	8	00:07:58	00:08:05	4
00:08:05	00:08:07		00:08:05	00:08:07	
00:08:07	00:08:14	8	00:08:07	00:08:14	2
00:08:14	00:09:01		00:08:14	00:09:01	

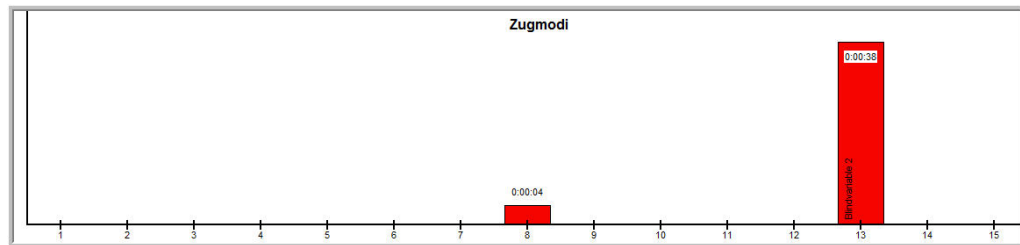
Tabelle 186: Kodierte Zmodi d. Gruppe BW_C_A5 ; ges.Bearbzeit 500s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	14	0,028	63,6%	2,8%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	8	0,016	36,4%	1,6%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	22			

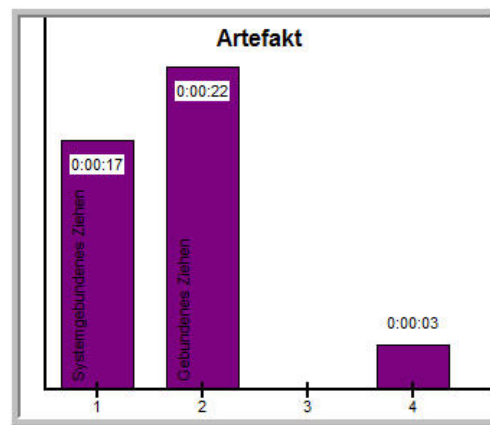
Tabelle 187: Verwendete Artefakteinschränkung der Gruppe BW_C_A5

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	8	0,363636	36,4%
2	7	0,318182	31,8%
3	0	0	0,0%
4	7	0,318182	31,8%

B.5.3 Gruppe BF_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 27: Auswertung des Zugverhaltens der Gruppe BF_C_A5

Tabelle 188: Auswertung der Gruppe BF_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:01:05		00:00:00	00:01:05	
00:01:05	00:01:09	13	00:01:05	00:01:09	2
00:01:09	00:01:19	13	00:01:09	00:01:19	2
00:01:19	00:01:59		00:01:19	00:01:59	
00:01:59	00:02:06	13	00:01:59	00:02:06	2
00:02:06	00:07:16		00:02:06	00:07:16	
00:07:16	00:07:33	13	00:07:16	00:07:33	1
00:07:33	00:14:21		00:07:33	00:14:21	
00:14:21	00:14:24	8	00:14:21	00:14:24	4
00:14:24	00:14:25	8	00:14:24	00:14:25	2
00:14:25	00:23:26		00:14:25	00:23:26	

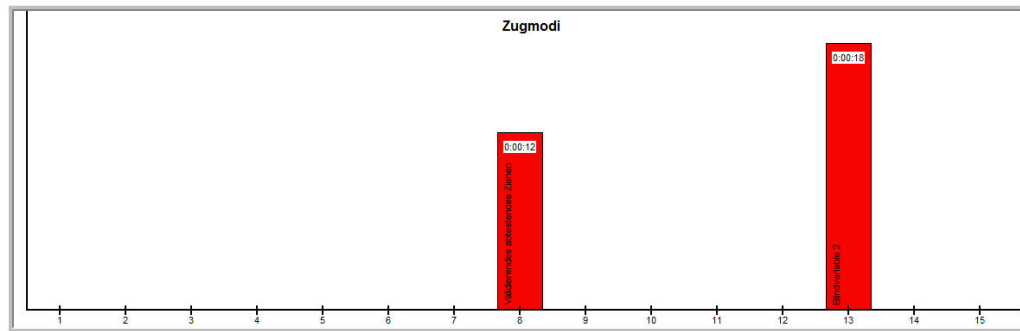
Tabelle 189: Kodierte Zmodi d. Gruppe BF_C_A5 ; ges.Bearbzeit 870s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	4	0,004598	9,5%	0,5%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	38	0,043678	90,5%	4,4%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	42			

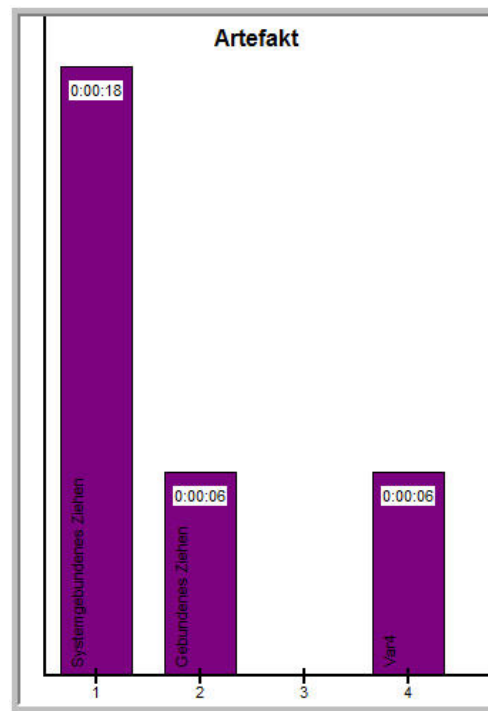
Tabelle 190: Verwendete Artefakteinschränkung der Gruppe BF_C_A5

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	17	0,404762	40,5%
2	22	0,52381	52,4%
3	0	0	0,0%
4	3	0,071429	7,1%

B.5.4 Gruppe DK1_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 28: Auswertung des Zugverhaltens der Gruppe DK1_C_A5

Tabelle 191: Auswertung der Gruppe DK1_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:04:20		00:00:00	00:04:20	

begin	end	Zugmodi	begin	end	Aeinschränkung
00:04:20	00:04:38	13	00:04:20	00:04:38	1
00:04:38	00:09:24		00:04:38	00:09:24	
00:09:24	00:09:26	8	00:09:24	00:09:26	4
00:09:26	00:09:28	8	00:09:26	00:09:28	4
00:09:28	00:09:33		00:09:28	00:09:33	
00:09:33	00:09:35	8	00:09:33	00:09:35	4
00:09:35	00:09:36		00:09:35	00:09:36	
00:09:36	00:09:42	8	00:09:36	00:09:42	2
00:09:42	00:10:28		00:09:42	00:10:28	

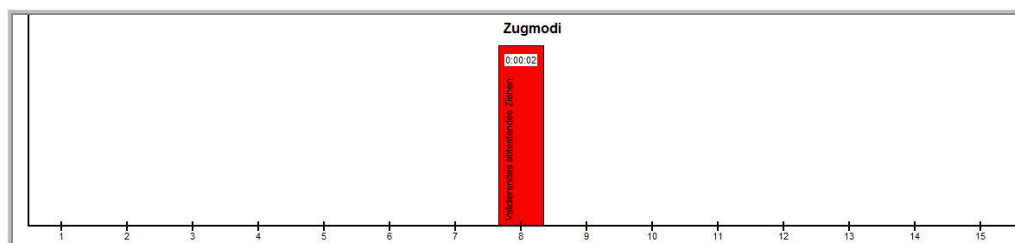
Tabelle 192: Kodierte Zmodi d. Gruppe DK1_C_A5 ; ges.Bearbzeit 590s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	12	0,020339	40,0%	2,0%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	18	0,030508	60,0%	3,1%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	30			

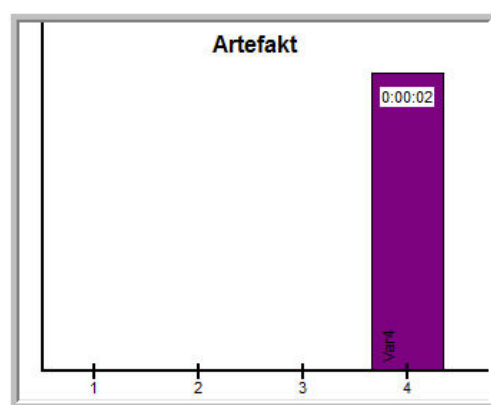
Tabelle 193: Verwendete Artefakteinschränkung der Gruppe DK1_C_A5

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	18	0,6	60,0%
2	6	0,2	20,0%
3	0	0	0,0%
4	6	0,2	20,0%

B.5.5 Gruppe DK2_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 29: Auswertung des Zugverhaltens der Gruppe DK2_C_A5

Tabelle 194: Auswertung der Gruppe DK2_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:05:12		00:00:00	00:05:12	
00:05:12	00:05:14	8	00:05:12	00:05:14	4
00:05:14	00:07:47		00:05:14	00:07:47	

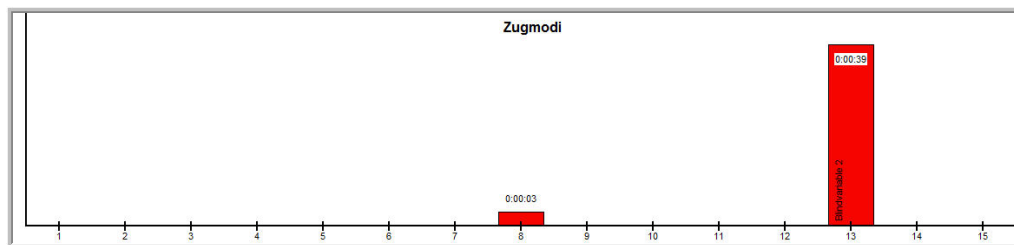
Tabelle 195: Kodierte Zmodi d. Gruppe DK2_C_A5 ; ges.Bearbzeit 340s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	2	0,005882	100,0%	0,6%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	0	0	0,0%	0,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	2			

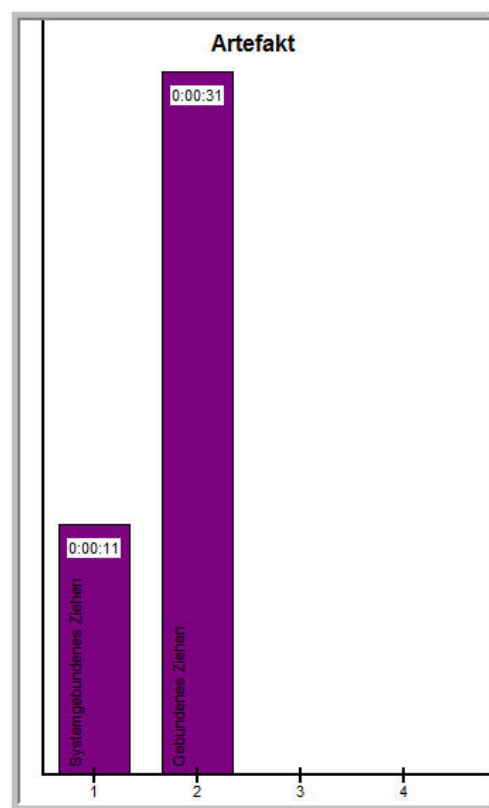
Tabelle 196: Verwendete Artefakteinschränkung der Gruppe DK2_C_A5

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	0	0	0,0%
2	0	0	0,0%
3	0	0	0,0%
4	2	1	100,0%

B.5.6 Gruppe FH_C_A5



(a) Zugmodi



(b) Artefakteinschränkung

Abbildung 30: Auswertung des Zugverhaltens der Gruppe FH_C_A5

Tabelle 197: Auswertung der Gruppe FH_C_A5

begin	end	Zugmodi	begin	end	Aeinschränkung
00:00:00	00:01:28		00:00:00	00:01:28	

begin	end	Zugmodi	begin	end	Aeinschränkung
00:01:28	00:01:39	13	00:01:28	00:01:39	1
00:01:39	00:01:50	13	00:01:39	00:01:50	2
00:01:50	00:01:56		00:01:50	00:01:56	
00:01:56	00:02:05	13	00:01:56	00:02:05	2
00:02:05	00:02:08		00:02:05	00:02:08	
00:02:08	00:02:16	13	00:02:08	00:02:16	2
00:02:16	00:06:22		00:02:16	00:06:22	
00:06:22	00:06:25	8	00:06:22	00:06:25	2
00:06:25	00:07:47		00:06:25	00:07:47	

Tabelle 198: Kodierte Zmodi d. Gruppe FH_C_A5 ; ges.Bearbzeit 375s

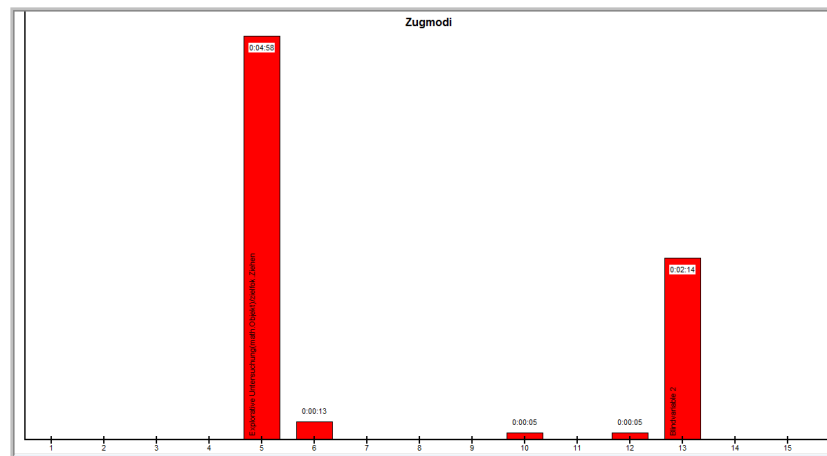
Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugmodus in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	0	0	0,0%	0,0%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	3	0,008	7,1%	0,8%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	39	0,104	92,9%	10,4%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	42			

Tabelle 199: Verwendete Artefakteinschränkung der Gruppe FH_C_A5

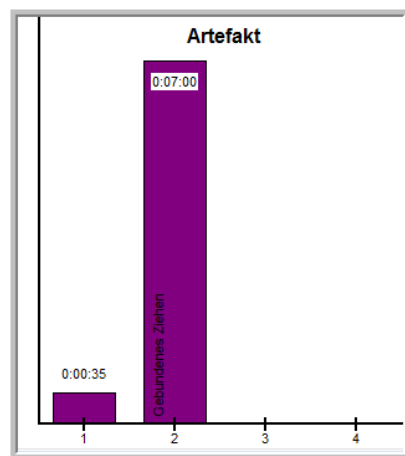
Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	11	0,261	26,2 %
2	31	0,738	73,8 %
3	0	0	0,0 %
4	0	0	0,0 %

B.6 Aufgabe VI Würfelschnitte

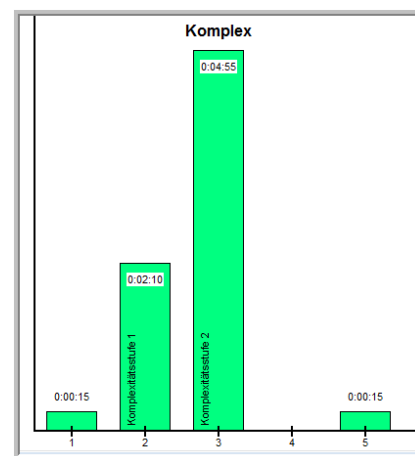
B.6.1 Gruppe AL_C_A6



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 31: Auswertung des Zugverhaltens der Gruppe AL_C_A6

Tabelle 200: Auswertung der Gruppe AL_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:34		00:00:00	00:00:34		00:00:00	00:00:34	
00:00:34	00:00:38	13	00:00:34	00:00:38	2	00:00:34	00:00:38	2
00:00:38	00:01:01		00:00:38	00:01:01		00:00:38	00:01:01	
00:01:01	00:01:06	12	00:01:01	00:01:06	1	00:01:01	00:01:06	1
00:01:06	00:01:14		00:01:06	00:01:14		00:01:06	00:01:14	
00:01:14	00:01:19	10	00:01:14	00:01:19	2	00:01:14	00:01:19	5
00:01:19	00:01:27		00:01:19	00:01:27		00:01:19	00:01:27	
00:01:27	00:01:35	13	00:01:27	00:01:35	1	00:01:27	00:01:35	2
00:01:35	00:01:38		00:01:35	00:01:38		00:01:35	00:01:38	
00:01:38	00:01:43	13	00:01:38	00:01:43	2	00:01:38	00:01:43	2
00:01:43	00:01:54		00:01:43	00:01:54		00:01:43	00:01:54	
00:01:54	00:02:01	13	00:01:54	00:02:01	2	00:01:54	00:02:01	2
00:02:01	00:03:04		00:02:01	00:03:04		00:02:01	00:03:04	
00:03:04	00:03:07	13	00:03:04	00:03:07	2	00:03:04	00:03:07	2
00:03:07	00:03:28		00:03:07	00:03:28		00:03:07	00:03:28	
00:03:28	00:03:39	13	00:03:28	00:03:39	2	00:03:28	00:03:39	2
00:03:39	00:03:44		00:03:39	00:03:44		00:03:39	00:03:44	
00:03:44	00:04:02	13	00:03:44	00:04:02	2	00:03:44	00:04:02	2
00:04:02	00:04:22		00:04:02	00:04:22		00:04:02	00:04:22	
00:04:22	00:04:29	5	00:04:22	00:04:29	2	00:04:22	00:04:29	3
00:04:29	00:04:36		00:04:29	00:04:36		00:04:29	00:04:36	
00:04:36	00:05:01	5	00:04:36	00:05:01	2	00:04:36	00:05:01	3
00:05:01	00:06:52		00:05:01	00:06:52		00:05:01	00:06:52	
00:06:52	00:07:00	13	00:06:52	00:07:00	2	00:06:52	00:07:00	2
00:07:00	00:07:04		00:07:00	00:07:04		00:07:00	00:07:04	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:07:04	00:07:26	13	00:07:04	00:07:26	2	00:07:04	00:07:26	2
00:07:26	00:08:34		00:07:26	00:08:34		00:07:26	00:08:34	
00:08:34	00:08:39	13	00:08:34	00:08:39	2	00:08:34	00:08:39	2
00:08:39	00:08:57		00:08:39	00:08:57		00:08:39	00:08:57	
00:08:57	00:09:14	13	00:08:57	00:09:14	1	00:08:57	00:09:14	2
00:09:14	00:09:37		00:09:14	00:09:37		00:09:14	00:09:37	
00:09:37	00:09:42	13	00:09:37	00:09:42	2	00:09:37	00:09:42	1
00:09:42	00:11:30		00:09:42	00:11:30		00:09:42	00:11:30	
00:11:30	00:11:37	5	00:11:30	00:11:37	2	00:11:30	00:11:37	3
00:11:37	00:11:43		00:11:37	00:11:43		00:11:37	00:11:43	
00:11:43	00:11:46	5	00:11:43	00:11:46	2	00:11:43	00:11:46	3
00:11:46	00:11:55		00:11:46	00:11:55		00:11:46	00:11:55	
00:11:55	00:11:58	5	00:11:55	00:11:58	2	00:11:55	00:11:58	3
00:11:58	00:12:07		00:11:58	00:12:07		00:11:58	00:12:07	
00:12:07	00:12:14	5	00:12:07	00:12:14	2	00:12:07	00:12:14	3
00:12:14	00:12:16		00:12:14	00:12:16		00:12:14	00:12:16	
00:12:16	00:12:20	5	00:12:16	00:12:20	2	00:12:16	00:12:20	3
00:12:20	00:13:27		00:12:20	00:13:27		00:12:20	00:13:27	
00:13:27	00:13:36	5	00:13:27	00:13:36	2	00:13:27	00:13:36	3
00:13:36	00:16:19		00:13:36	00:16:19		00:13:36	00:16:19	
00:16:19	00:16:28	5	00:16:19	00:16:28	2	00:16:19	00:16:28	3
00:16:28	00:16:53		00:16:28	00:16:53		00:16:28	00:16:53	
00:16:53	00:17:08	5	00:16:53	00:17:08	2	00:16:53	00:17:08	3
00:17:08	00:18:25		00:17:08	00:18:25		00:17:08	00:18:25	
00:18:25	00:18:52	5	00:18:25	00:18:52	2	00:18:25	00:18:52	3
00:18:52	00:19:34		00:18:52	00:19:34		00:18:52	00:19:34	
00:19:34	00:19:38	5	00:19:34	00:19:38	2	00:19:34	00:19:38	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:19:38	00:19:57		00:19:38	00:19:57		00:19:38	00:19:57	
00:19:57	00:20:10	6	00:19:57	00:20:10	2	00:19:57	00:20:10	3
00:20:10	00:23:21		00:20:10	00:23:21		00:20:10	00:23:21	
00:23:21	00:23:26	13	00:23:21	00:23:26	1	00:23:21	00:23:26	1
00:23:26	00:24:30		00:23:26	00:24:30		00:23:26	00:24:30	
00:24:30	00:24:41	13	00:24:30	00:24:41	2	00:24:30	00:24:41	2
00:24:41	00:26:28		00:24:41	00:26:28		00:24:41	00:26:28	
00:26:28	00:26:33	13	00:26:28	00:26:33	2	00:26:28	00:26:33	2
00:26:33	00:27:00		00:26:33	00:27:00		00:26:33	00:27:00	
00:27:00	00:27:29	5	00:27:00	00:27:29	2	00:27:00	00:27:29	3
00:27:29	00:27:38		00:27:29	00:27:38		00:27:29	00:27:38	
00:27:38	00:27:54	5	00:27:38	00:27:54	2	00:27:38	00:27:54	3
00:27:54	00:28:35		00:27:54	00:28:35		00:27:54	00:28:35	
00:28:35	00:29:00	5	00:28:35	00:29:00	2	00:28:35	00:29:00	3
00:29:00	00:29:42		00:29:00	00:29:42		00:29:00	00:29:42	
00:29:42	00:29:52	5	00:29:42	00:29:52	2	00:29:42	00:29:52	5
00:29:52	00:29:58		00:29:52	00:29:58		00:29:52	00:29:58	
00:29:58	00:30:06	5	00:29:58	00:30:06	2	00:29:58	00:30:06	3
00:30:06	00:30:30		00:30:06	00:30:30		00:30:06	00:30:30	
00:30:30	00:30:32	5	00:30:30	00:30:32	2	00:30:30	00:30:32	2
00:30:32	00:30:38		00:30:32	00:30:38		00:30:32	00:30:38	
00:30:38	00:30:42	5	00:30:38	00:30:42	2	00:30:38	00:30:42	2
00:30:42	00:30:50		00:30:42	00:30:50		00:30:42	00:30:50	
00:30:50	00:31:00	5	00:30:50	00:31:00	2	00:30:50	00:31:00	3
00:31:00	00:31:21		00:31:00	00:31:21		00:31:00	00:31:21	
00:31:21	00:31:23	5	00:31:21	00:31:23	2	00:31:21	00:31:23	3
00:31:23	00:31:49		00:31:23	00:31:49		00:31:23	00:31:49	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:31:49	00:31:52	5	00:31:49	00:31:52	2	00:31:49	00:31:52	3
00:31:52	00:31:55		00:31:52	00:31:55		00:31:52	00:31:55	
00:31:55	00:32:00	5	00:31:55	00:32:00	2	00:31:55	00:32:00	3
00:32:00	00:33:25		00:32:00	00:33:25		00:32:00	00:33:25	
00:33:25	00:33:32	5	00:33:25	00:33:32	2	00:33:25	00:33:32	3
00:33:32	00:35:55		00:33:32	00:35:55		00:33:32	00:35:55	
00:35:55	00:36:18	5	00:35:55	00:36:18	2	00:35:55	00:36:18	3
00:36:18	00:37:38		00:36:18	00:37:38		00:36:18	00:37:38	
00:37:38	00:37:42	5	00:37:38	00:37:42	2	00:37:38	00:37:42	3
00:37:42	00:37:55		00:37:42	00:37:55		00:37:42	00:37:55	
00:37:55	00:38:25	5	00:37:55	00:38:25	2	00:37:55	00:38:25	3
00:38:25	00:43:49		00:38:25	00:43:49		00:38:25	00:43:49	

Tabelle 201: Kodierte Zmodi d. Gruppe AL_C_A6 ; ges.Bearbzeit 2260s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	298	0,131858	65,5%	13,2%
6	13	0,005752	2,9%	0,6%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	0	0	0,0%	0,0%
10	5	0,002212	1,1%	0,2%
11	0	0	0,0%	0,0%
12	5	0,002212	1,1%	0,2%
13	134	0,059292	29,5%	5,9%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%

Tabelle 202: Verwendete Artefakteinschränkung der Gruppe AL_C_A6

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	35	0,076923	7,7%
2	420	0,923077	92,3%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 203: Verwendete Komplexitätsstufen der Gruppe AL_C_A6

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	15	0,032967	3,3%
2	120	0,263736	26,4%
3	295	0,648352	64,8%
4	0	0	0,0%
5	15	0,032967	3,3%

B.6.2 Gruppe BW_C_A6

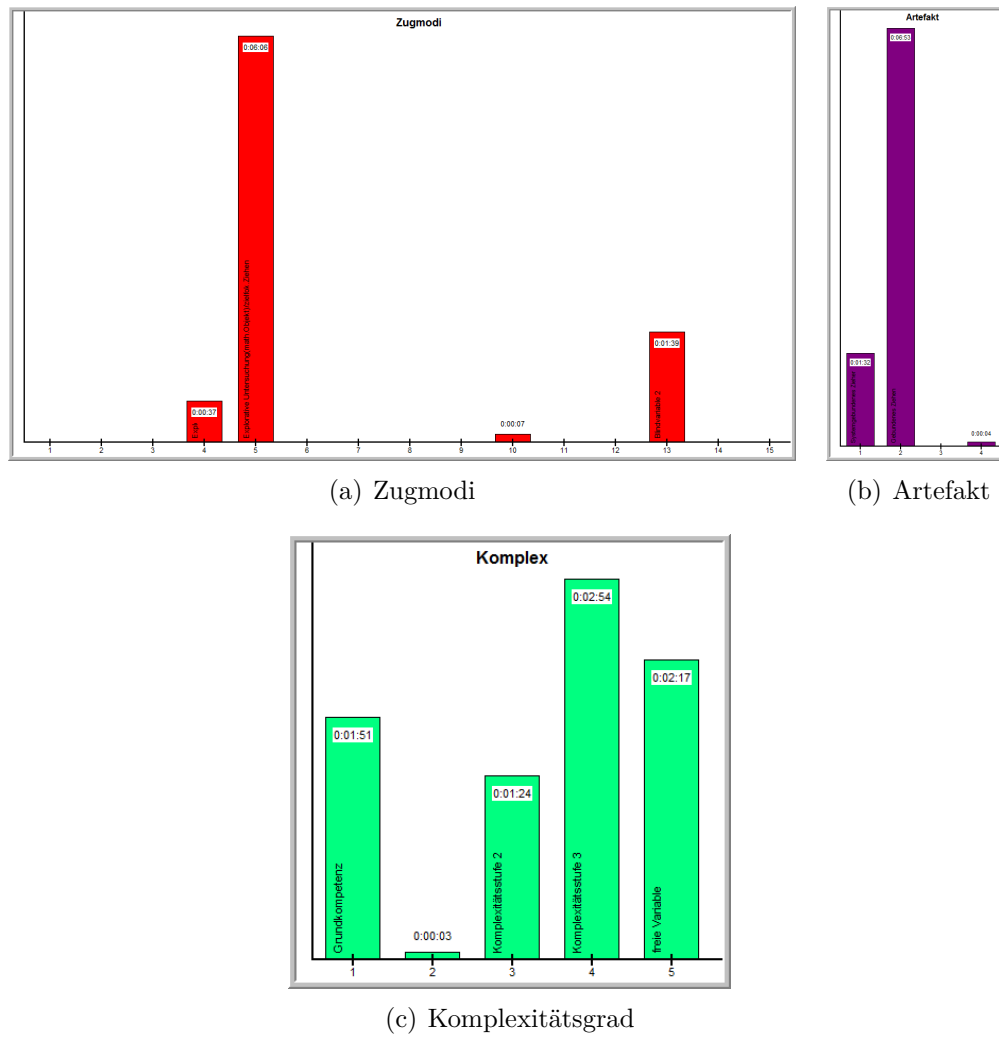


Abbildung 32: Auswertung des Zugverhaltens der Gruppe BW_C_A6

Tabelle 204: Auswertung der Gruppe BW_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:13		00:00:00	00:00:13		00:00:00	00:00:13	
00:00:13	00:00:18	13	00:00:13	00:00:18	2	00:00:13	00:00:18	1
00:00:18	00:00:25		00:00:18	00:00:25		00:00:18	00:00:25	
00:00:25	00:00:33	13	00:00:25	00:00:33	1	00:00:25	00:00:33	1
00:00:33	00:00:37		00:00:33	00:00:37		00:00:33	00:00:37	
00:00:37	00:00:49	13	00:00:37	00:00:49	1	00:00:37	00:00:49	1
00:00:49	00:01:12		00:00:49	00:01:12		00:00:49	00:01:12	
00:01:12	00:01:15	13	00:01:12	00:01:15	1	00:01:12	00:01:15	1
00:01:15	00:01:18		00:01:15	00:01:18		00:01:15	00:01:18	
00:01:18	00:01:22	4	00:01:18	00:01:22	2	00:01:18	00:01:22	3
00:01:22	00:01:24		00:01:22	00:01:24		00:01:22	00:01:24	
00:01:24	00:01:28	4	00:01:24	00:01:28	4	00:01:24	00:01:28	1
00:01:28	00:01:32		00:01:28	00:01:32		00:01:28	00:01:32	
00:01:32	00:01:39	13	00:01:32	00:01:39	1	00:01:32	00:01:39	1
00:01:39	00:01:40		00:01:39	00:01:40		00:01:39	00:01:40	
00:01:40	00:01:50	4	00:01:40	00:01:50	2	00:01:40	00:01:50	3
00:01:50	00:02:07		00:01:50	00:02:07		00:01:50	00:02:07	
00:02:07	00:02:17	4	00:02:07	00:02:17	2	00:02:07	00:02:17	4
00:02:17	00:02:19	4	00:02:17	00:02:19	2	00:02:17	00:02:19	2
00:02:19	00:02:21		00:02:19	00:02:21		00:02:19	00:02:21	
00:02:21	00:02:25	4	00:02:21	00:02:25	2	00:02:21	00:02:25	4
00:02:25	00:02:31		00:02:25	00:02:31		00:02:25	00:02:31	
00:02:31	00:02:36	13	00:02:31	00:02:36	2	00:02:31	00:02:36	1
00:02:36	00:02:43		00:02:36	00:02:43		00:02:36	00:02:43	
00:02:43	00:02:47	5	00:02:43	00:02:47	2	00:02:43	00:02:47	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:02:47	00:02:51	5	00:02:47	00:02:51	2	00:02:47	00:02:50	5
00:02:51	00:02:54	5	00:02:51	00:02:54	2	00:02:50	00:02:51	2
00:02:54	00:02:57	5	00:02:54	00:02:57	2	00:02:51	00:02:54	3
00:02:57	00:03:00	5	00:02:57	00:03:00	2	00:02:54	00:02:56	4
00:03:00	00:03:03		00:03:00	00:03:03		00:02:56	00:02:57	5
00:03:03	00:03:06	5	00:03:03	00:03:06	2	00:02:57	00:03:00	5
00:03:06	00:03:09	5	00:03:06	00:03:09	2	00:03:00	00:03:03	
00:03:09	00:03:15		00:03:09	00:03:15		00:03:03	00:03:06	3
00:03:15	00:03:18	5	00:03:15	00:03:18	1	00:03:06	00:03:09	5
00:03:18	00:04:09		00:03:18	00:04:09		00:03:09	00:03:15	
00:04:09	00:04:12	5	00:04:09	00:04:12	2	00:03:15	00:03:18	5
00:04:12	00:04:17		00:04:12	00:04:17		00:03:18	00:04:09	
00:04:17	00:04:19	5	00:04:17	00:04:19	2	00:04:09	00:04:12	4
00:04:19	00:04:21		00:04:19	00:04:21		00:04:12	00:04:17	
00:04:21	00:04:23	5	00:04:21	00:04:23	2	00:04:17	00:04:19	3
00:04:23	00:04:27		00:04:23	00:04:27		00:04:19	00:04:21	
00:04:27	00:04:29	10	00:04:27	00:04:29	2	00:04:21	00:04:23	4
00:04:29	00:05:25		00:04:29	00:05:25		00:04:23	00:04:27	
00:05:25	00:05:47	5	00:05:25	00:05:47	2	00:04:27	00:04:29	4
00:05:47	00:05:48		00:05:47	00:05:48		00:04:29	00:05:25	
00:05:48	00:05:51	10	00:05:48	00:05:51	2	00:05:25	00:05:47	4
00:05:51	00:05:54	5	00:05:51	00:05:54	2	00:05:47	00:05:48	
00:05:54	00:06:03	5	00:05:54	00:06:03	2	00:05:48	00:05:51	1
00:06:03	00:06:15		00:06:03	00:06:15		00:05:51	00:06:03	5
00:06:15	00:06:20	5	00:06:15	00:06:20	2	00:06:03	00:06:15	
00:06:20	00:06:53		00:06:20	00:06:53		00:06:15	00:06:20	4
00:06:53	00:06:56	5	00:06:53	00:06:56	2	00:06:20	00:06:53	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:06:56	00:06:58		00:06:56	00:06:58		00:06:53	00:06:56	4
00:06:58	00:07:00	5	00:06:58	00:07:00	2	00:06:56	00:06:58	
00:07:00	00:07:06		00:07:00	00:07:06		00:06:58	00:07:00	3
00:07:06	00:07:13	5	00:07:06	00:07:13	2	00:07:00	00:07:06	
00:07:13	00:07:15		00:07:13	00:07:15		00:07:06	00:07:13	3
00:07:15	00:07:18	5	00:07:15	00:07:18	2	00:07:13	00:07:15	
00:07:18	00:07:21		00:07:18	00:07:21		00:07:15	00:07:18	5
00:07:21	00:07:23	5	00:07:21	00:07:23	2	00:07:18	00:07:21	
00:07:23	00:07:55		00:07:23	00:07:55		00:07:21	00:07:23	5
00:07:55	00:08:06	13	00:07:55	00:08:06	1	00:07:23	00:07:55	
00:08:06	00:08:50		00:08:06	00:08:50		00:07:55	00:08:06	1
00:08:50	00:08:54	13	00:08:50	00:08:54	1	00:08:06	00:08:50	
00:08:54	00:11:07		00:08:54	00:11:07		00:08:50	00:08:54	1
00:11:07	00:11:14	13	00:11:07	00:11:14	1	00:08:54	00:11:07	
00:11:14	00:11:49		00:11:14	00:11:49		00:11:07	00:11:14	1
00:11:49	00:11:54	5	00:11:49	00:11:54	2	00:11:14	00:11:49	
00:11:54	00:12:01		00:11:54	00:12:01		00:11:49	00:11:54	3
00:12:01	00:12:05	5	00:12:01	00:12:05	2	00:11:54	00:12:01	
00:12:05	00:12:22		00:12:05	00:12:22		00:12:01	00:12:05	4
00:12:22	00:12:33	5	00:12:22	00:12:33	2	00:12:05	00:12:22	
00:12:33	00:12:50		00:12:33	00:12:50		00:12:22	00:12:33	3
00:12:50	00:12:54	5	00:12:50	00:12:54	2	00:12:33	00:12:50	
00:12:54	00:13:06		00:12:54	00:13:06		00:12:50	00:12:54	5
00:13:06	00:13:09	4	00:13:06	00:13:09	2	00:12:54	00:13:06	
00:13:09	00:13:13	5	00:13:09	00:13:13	2	00:13:06	00:13:09	1
00:13:13	00:13:22		00:13:13	00:13:22		00:13:09	00:13:13	3
00:13:22	00:13:24	5	00:13:22	00:13:24	2	00:13:13	00:13:22	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:13:24	00:13:30		00:13:24	00:13:30		00:13:22	00:13:24	4
00:13:30	00:13:33	5	00:13:30	00:13:33	2	00:13:24	00:13:30	
00:13:33	00:13:37	5	00:13:33	00:13:37	2	00:13:30	00:13:33	4
00:13:37	00:13:39	10	00:13:37	00:13:39	2	00:13:33	00:13:37	3
00:13:39	00:13:43	5	00:13:39	00:13:43	2	00:13:37	00:13:39	1
00:13:43	00:13:44		00:13:43	00:13:44		00:13:39	00:13:43	3
00:13:44	00:13:57	5	00:13:44	00:13:57	2	00:13:43	00:13:44	
00:13:57	00:14:01		00:13:57	00:14:01		00:13:44	00:13:57	5
00:14:01	00:14:03	5	00:14:01	00:14:03	2	00:13:57	00:14:01	
00:14:03	00:14:19		00:14:03	00:14:19		00:14:01	00:14:03	4
00:14:19	00:14:22	5	00:14:19	00:14:22	2	00:14:03	00:14:19	
00:14:22	00:14:33		00:14:22	00:14:33		00:14:19	00:14:22	4
00:14:33	00:14:38	5	00:14:33	00:14:38	2	00:14:22	00:14:33	
00:14:38	00:14:53		00:14:38	00:14:53		00:14:33	00:14:38	4
00:14:53	00:14:57	5	00:14:53	00:14:57	2	00:14:38	00:14:53	
00:14:57	00:15:02	5	00:14:57	00:15:02	2	00:14:53	00:14:57	5
00:15:02	00:15:06	5	00:15:02	00:15:06	2	00:14:57	00:15:02	4
00:15:06	00:16:03		00:15:06	00:16:03		00:15:02	00:15:06	5
00:16:03	00:16:08	5	00:16:03	00:16:08	2	00:15:06	00:16:03	
00:16:08	00:16:16		00:16:08	00:16:16		00:16:03	00:16:08	4
00:16:16	00:16:20	5	00:16:16	00:16:20	2	00:16:08	00:16:16	
00:16:20	00:16:36		00:16:20	00:16:36		00:16:16	00:16:20	3
00:16:36	00:16:40	5	00:16:36	00:16:40	2	00:16:20	00:16:36	
00:16:40	00:17:04		00:16:40	00:17:04		00:16:36	00:16:40	5
00:17:04	00:17:11	5	00:17:04	00:17:11	2	00:16:40	00:17:04	
00:17:11	00:17:32		00:17:11	00:17:32		00:17:04	00:17:11	5
00:17:32	00:17:38	5	00:17:32	00:17:38	2	00:17:11	00:17:32	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:17:38	00:17:39		00:17:38	00:17:39		00:17:32	00:17:38	4
00:17:39	00:17:41	5	00:17:39	00:17:41	2	00:17:38	00:17:39	
00:17:41	00:17:44		00:17:41	00:17:44		00:17:39	00:17:41	3
00:17:44	00:17:48	5	00:17:44	00:17:48	2	00:17:41	00:17:44	
00:17:48	00:17:53		00:17:48	00:17:53		00:17:44	00:17:48	4
00:17:53	00:17:55	5	00:17:53	00:17:55	2	00:17:48	00:17:53	
00:17:55	00:17:57		00:17:55	00:17:57		00:17:53	00:17:55	5
00:17:57	00:18:01	5	00:17:57	00:18:01	2	00:17:55	00:17:57	
00:18:01	00:18:10		00:18:01	00:18:10		00:17:57	00:18:01	5
00:18:10	00:18:14	5	00:18:10	00:18:14	2	00:18:01	00:18:10	
00:18:14	00:18:25		00:18:14	00:18:25		00:18:10	00:18:14	5
00:18:25	00:18:28	5	00:18:25	00:18:28	2	00:18:14	00:18:25	
00:18:28	00:18:42		00:18:28	00:18:42		00:18:25	00:18:28	5
00:18:42	00:18:50	5	00:18:42	00:18:50	2	00:18:28	00:18:42	
00:18:50	00:19:33		00:18:50	00:19:33		00:18:42	00:18:50	5
00:19:33	00:19:37	5	00:19:33	00:19:37	2	00:18:50	00:19:33	
00:19:37	00:19:42		00:19:37	00:19:42		00:19:33	00:19:37	5
00:19:42	00:19:48	5	00:19:42	00:19:48	2	00:19:37	00:19:42	
00:19:48	00:20:08		00:19:48	00:20:08		00:19:42	00:19:48	4
00:20:08	00:20:13	5	00:20:08	00:20:13	2	00:19:48	00:20:08	
00:20:13	00:20:14		00:20:13	00:20:14		00:20:08	00:20:13	5
00:20:14	00:20:17	5	00:20:14	00:20:17	2	00:20:13	00:20:14	
00:20:17	00:21:33		00:20:17	00:21:33		00:20:14	00:20:17	5
00:21:33	00:21:39	5	00:21:33	00:21:39	2	00:20:17	00:21:33	
00:21:39	00:21:44		00:21:39	00:21:44		00:21:33	00:21:39	4
00:21:44	00:21:47	5	00:21:44	00:21:47	2	00:21:39	00:21:44	
00:21:47	00:22:28		00:21:47	00:22:28		00:21:44	00:21:47	5

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:22:28	00:22:38	5	00:22:28	00:22:38	2	00:21:47	00:22:28	
00:22:38	00:22:46	5	00:22:38	00:22:46	2	00:22:28	00:22:38	4
00:22:46	00:22:48		00:22:46	00:22:48		00:22:38	00:22:46	4
00:22:48	00:23:04	5	00:22:48	00:23:04	2	00:22:46	00:22:48	
00:23:04	00:23:43		00:23:04	00:23:43		00:22:48	00:23:04	4
00:23:43	00:23:46	5	00:23:43	00:23:46	2	00:23:04	00:23:43	
00:23:46	00:23:49		00:23:46	00:23:49		00:23:43	00:23:46	3
00:23:49	00:24:07	5	00:23:49	00:24:07	2	00:23:46	00:23:49	
00:24:07	00:24:10	5	00:24:07	00:24:10	2	00:23:49	00:24:07	4
00:24:10	00:25:31		00:24:10	00:25:31		00:24:07	00:24:10	4
00:25:31	00:25:35	5	00:25:31	00:25:35	2	00:24:10	00:25:31	
00:25:35	00:25:38		00:25:35	00:25:38		00:25:31	00:25:35	3
00:25:38	00:25:41	5	00:25:38	00:25:41	2	00:25:35	00:25:38	
00:25:41	00:25:48		00:25:41	00:25:48		00:25:38	00:25:41	5
00:25:48	00:25:53	5	00:25:48	00:25:53	2	00:25:41	00:25:48	
00:25:53	00:26:23		00:25:53	00:26:23		00:25:48	00:25:53	3
00:26:23	00:26:27	5	00:26:23	00:26:27	2	00:25:53	00:26:23	
00:26:27	00:26:32	5	00:26:27	00:26:32	2	00:26:23	00:26:27	4
00:26:32	00:26:33		00:26:32	00:26:33		00:26:27	00:26:32	4
00:26:33	00:26:36	5	00:26:33	00:26:36	2	00:26:32	00:26:33	
00:26:36	00:26:45		00:26:36	00:26:45		00:26:33	00:26:36	5
00:26:45	00:26:48	5	00:26:45	00:26:48	2	00:26:36	00:26:45	
00:26:48	00:26:51	5	00:26:48	00:26:51	2	00:26:45	00:26:48	3
00:26:51	00:26:55		00:26:51	00:26:55		00:26:48	00:26:51	5
00:26:55	00:26:58	5	00:26:55	00:26:58	2	00:26:51	00:26:55	
00:26:58	00:27:01		00:26:58	00:27:01		00:26:55	00:26:58	5
00:27:01	00:27:03	5	00:27:01	00:27:03	2	00:26:58	00:27:01	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:27:03	00:27:07		00:27:03	00:27:07		00:27:01	00:27:03	4
00:27:07	00:27:10	5	00:27:07	00:27:10	2	00:27:03	00:27:07	
00:27:10	00:28:08		00:27:10	00:28:08		00:27:07	00:27:10	5
00:28:08	00:28:10	5	00:28:08	00:28:10	2	00:27:10	00:28:08	
00:28:10	00:29:36		00:28:10	00:29:36		00:28:08	00:28:10	5
00:29:36	00:29:41	5	00:29:36	00:29:41	2	00:28:10	00:29:36	
00:29:41	00:30:57		00:29:41	00:30:57		00:29:36	00:29:41	5
00:30:57	00:31:04	13	00:30:57	00:31:04	1	00:29:41	00:30:57	
00:31:04	00:33:15		00:31:04	00:33:15		00:30:57	00:31:04	1
00:33:15	00:33:19	5	00:33:15	00:33:19	2	00:31:04	00:33:15	
00:33:19	00:33:26		00:33:19	00:33:26		00:33:15	00:33:19	5
00:33:26	00:33:30	5	00:33:26	00:33:30	2	00:33:19	00:33:26	
00:33:30	00:33:38		00:33:30	00:33:38		00:33:26	00:33:30	4
00:33:38	00:33:43	5	00:33:38	00:33:43	2	00:33:30	00:33:38	
00:33:43	00:33:47	5	00:33:43	00:33:47	2	00:33:38	00:33:47	5
00:33:47	00:37:43		00:33:47	00:37:43		00:33:47	00:37:43	
00:37:43	00:37:47	13	00:37:43	00:37:47	1	00:37:43	00:37:47	1
00:37:47	00:38:45		00:37:47	00:38:45		00:37:47	00:38:45	
00:38:45	00:38:53	13	00:38:45	00:38:53	1	00:38:45	00:38:53	1
00:38:53	00:39:44		00:38:53	00:39:44		00:38:53	00:39:44	
00:39:44	00:39:55	13	00:39:44	00:39:55	1	00:39:44	00:39:55	1
00:39:55	00:40:29		00:39:55	00:40:29		00:39:55	00:40:29	
00:40:29	00:40:32	13	00:40:29	00:40:32	1	00:40:29	00:40:32	1
00:40:32	00:42:14		00:40:32	00:42:14		00:40:32	00:42:14	
00:42:14	00:42:18	13	00:42:14	00:42:18	1	00:42:14	00:42:18	1
00:42:18	00:43:49		00:42:18	00:43:49		00:42:18	00:43:49	

Tabelle 205: Kodierte Zmodi d. Gruppe BW_C_A6 ; ges.Bearbzeit 2560s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	37	0,014453	7,3%	1,4%
5	366	0,142969	71,9%	14,3%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	0	0	0,0%	0,0%
10	7	0,002734	1,4%	0,3%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	99	0,038672	19,4%	3,9%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	509			

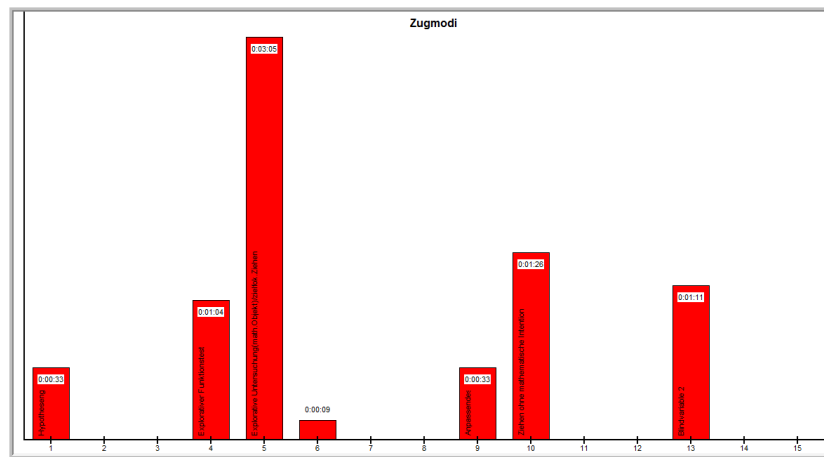
Tabelle 206: Verwendete Artefakteinschränkung der Gruppe BW_C_A6

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	92	0,180747	18,1%
2	413	0,811395	81,1%
3	0	0	0,0%
4	4	0,007859	0,8%

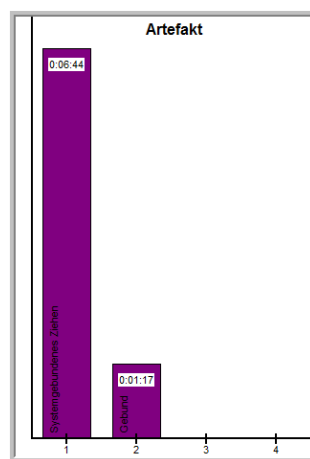
Tabelle 207: Verwendete Komplexitätsstufen der Gruppe BW_C_A6

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	111	0,218075	21,8%
2	3	0,005894	0,6%
3	84	0,165029	16,5%
4	174	0,341847	34,2%
5	137	0,269155	26,9%

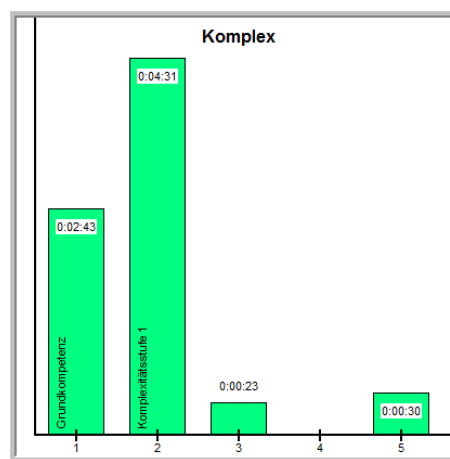
B.6.3 Gruppe BF_C_A6



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 33: Auswertung des Zugverhaltens der Gruppe BF_C_A6

Tabelle 208: Auswertung der Gruppe BF_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:16	13	00:00:00	00:00:16	1	00:00:00	00:00:16	1
00:00:16	00:00:18		00:00:16	00:00:18		00:00:16	00:00:32	5
00:00:18	00:00:28	10	00:00:18	00:00:28	2	00:00:32	00:01:00	
00:00:28	00:01:00		00:00:28	00:01:00		00:01:00	00:01:06	1
00:01:00	00:01:06	13	00:01:00	00:01:06	1	00:01:06	00:01:23	
00:01:06	00:01:23		00:01:06	00:01:23		00:01:23	00:01:28	1
00:01:23	00:01:28	13	00:01:23	00:01:28	1	00:01:28	00:02:25	
00:01:28	00:02:25		00:01:28	00:02:25		00:02:25	00:02:34	1
00:02:25	00:02:34	13	00:02:25	00:02:34	1	00:02:34	00:04:26	
00:02:34	00:04:26		00:02:34	00:04:26		00:04:26	00:04:32	1
00:04:26	00:04:32	13	00:04:26	00:04:32	1	00:04:32	00:05:30	
00:04:32	00:05:30		00:04:32	00:05:30		00:05:30	00:05:36	5
00:05:30	00:05:36	10	00:05:30	00:05:36	2	00:05:36	00:05:52	
00:05:36	00:05:52		00:05:36	00:05:52		00:05:52	00:06:00	5
00:05:52	00:06:00	10	00:05:52	00:06:00	2	00:06:00	00:06:25	
00:06:00	00:06:25		00:06:00	00:06:25		00:06:25	00:06:30	1
00:06:25	00:06:30	6	00:06:25	00:06:30	2	00:06:30	00:06:40	1
00:06:30	00:06:40	10	00:06:30	00:06:40	1	00:06:40	00:07:22	
00:06:40	00:07:22		00:06:40	00:07:22		00:07:22	00:07:31	2
00:07:22	00:07:31	5	00:07:22	00:07:31	1	00:07:31	00:07:35	1
00:07:31	00:07:35	10	00:07:31	00:07:35	2	00:07:35	00:07:50	
00:07:35	00:07:50		00:07:35	00:07:50		00:07:50	00:08:07	2
00:07:50	00:08:07	5	00:07:50	00:08:07	2	00:08:07	00:08:36	
00:08:07	00:08:36		00:08:07	00:08:36		00:08:36	00:08:40	1
00:08:36	00:08:40	10	00:08:36	00:08:40	1	00:08:40	00:08:44	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:08:40	00:08:44		00:08:40	00:08:44		00:08:44	00:08:55	2
00:08:44	00:08:55	13	00:08:44	00:08:55	1	00:08:55	00:08:56	
00:08:55	00:08:56		00:08:55	00:08:56		00:08:56	00:09:15	2
00:08:56	00:09:15	4	00:08:56	00:09:15	1	00:09:15	00:10:01	
00:09:15	00:10:01		00:09:15	00:10:01		00:10:01	00:10:04	1
00:10:01	00:10:04	10	00:10:01	00:10:04	1	00:10:04	00:10:14	
00:10:04	00:10:14		00:10:04	00:10:14		00:10:14	00:10:30	1
00:10:14	00:10:30	4	00:10:14	00:10:30	1	00:10:30	00:10:42	
00:10:30	00:10:42		00:10:30	00:10:42		00:10:42	00:10:47	1
00:10:42	00:10:47	13	00:10:42	00:10:47	1	00:10:47	00:10:52	
00:10:47	00:10:52		00:10:47	00:10:52		00:10:52	00:11:04	1
00:10:52	00:11:04	4	00:10:52	00:11:04	1	00:11:04	00:11:16	
00:11:04	00:11:16		00:11:04	00:11:16		00:11:16	00:11:21	2
00:11:16	00:11:21	5	00:11:16	00:11:21	1	00:11:21	00:11:44	
00:11:21	00:11:44		00:11:21	00:11:44		00:11:44	00:11:52	2
00:11:44	00:11:52	5	00:11:44	00:11:52	1	00:11:52	00:12:06	
00:11:52	00:12:06		00:11:52	00:12:06		00:12:06	00:12:16	2
00:12:06	00:12:16	5	00:12:06	00:12:16	1	00:12:16	00:12:58	
00:12:16	00:12:58		00:12:16	00:12:58		00:12:58	00:13:07	2
00:12:58	00:13:07	5	00:12:58	00:13:07	1	00:13:07	00:13:50	
00:13:07	00:13:50		00:13:07	00:13:50		00:13:50	00:14:03	2
00:13:50	00:14:03	5	00:13:50	00:14:03	1	00:14:03	00:14:04	2
00:14:03	00:14:04	5	00:14:03	00:14:04	1	00:14:04	00:14:23	
00:14:04	00:14:23		00:14:04	00:14:23		00:14:23	00:14:46	2
00:14:23	00:14:46	5	00:14:23	00:14:46	1	00:14:46	00:14:50	
00:14:46	00:14:50		00:14:46	00:14:50		00:14:50	00:15:00	1
00:14:50	00:15:00	10	00:14:50	00:15:00	1	00:15:00	00:15:17	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:15:00	00:15:17		00:15:00	00:15:17		00:15:17	00:15:22	2
00:15:17	00:15:22	5	00:15:17	00:15:22	1	00:15:22	00:15:40	
00:15:22	00:15:40		00:15:22	00:15:40		00:15:40	00:15:56	2
00:15:40	00:15:56	5	00:15:40	00:15:56	1	00:15:56	00:16:06	
00:15:56	00:16:06		00:15:56	00:16:06		00:16:06	00:16:12	2
00:16:06	00:16:12	5	00:16:06	00:16:12	1	00:16:12	00:16:21	
00:16:12	00:16:21		00:16:12	00:16:21		00:16:21	00:16:41	2
00:16:21	00:16:41	5	00:16:21	00:16:41	1	00:16:41	00:17:06	
00:16:41	00:17:06		00:16:41	00:17:06		00:17:06	00:17:16	2
00:17:06	00:17:16	1	00:17:06	00:17:16	1	00:17:16	00:17:36	
00:17:16	00:17:36		00:17:16	00:17:36		00:17:36	00:17:42	2
00:17:36	00:17:42	13	00:17:36	00:17:42	1	00:17:42	00:18:08	
00:17:42	00:18:08		00:17:42	00:18:08		00:18:08	00:18:17	2
00:18:08	00:18:17	1	00:18:08	00:18:17	1	00:18:17	00:26:17	
00:18:17	00:26:17		00:18:17	00:26:17		00:26:17	00:26:23	3
00:26:17	00:26:23	5	00:26:17	00:26:23	2	00:26:23	00:26:33	
00:26:23	00:26:33		00:26:23	00:26:33		00:26:33	00:26:36	3
00:26:33	00:26:36	9	00:26:33	00:26:36	2	00:26:36	00:34:07	
00:26:36	00:34:07		00:26:36	00:34:07		00:34:07	00:34:17	3
00:34:07	00:34:17	5	00:34:07	00:34:17	2	00:34:17	00:44:35	
00:34:17	00:44:35		00:34:17	00:44:35		00:44:35	00:44:39	3
00:44:35	00:44:39	1	00:44:35	00:44:39	2	00:44:39	00:45:12	
00:44:39	00:45:12		00:44:39	00:45:12		00:45:12	00:45:29	2
00:45:12	00:45:29	5	00:45:12	00:45:29	1	00:45:29	00:46:00	
00:45:29	00:46:00		00:45:29	00:46:00		00:46:00	00:46:30	2
00:46:00	00:46:30	9	00:46:00	00:46:30	1	00:46:30	00:48:26	
00:46:30	00:48:26		00:46:30	00:48:26		00:48:26	00:48:30	1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:48:26	00:48:30	6	00:48:26	00:48:30	2	00:48:30	00:48:57	
00:48:30	00:48:57		00:48:30	00:48:57		00:48:57	00:49:07	2
00:48:57	00:49:07	1	00:48:57	00:49:07	1	00:49:07	00:49:15	
00:49:07	00:49:15		00:49:07	00:49:15		00:49:15	00:49:19	1
00:49:15	00:49:19	10	00:49:15	00:49:19	1	00:49:19	00:49:24	
00:49:19	00:49:24		00:49:19	00:49:24		00:49:24	00:49:51	1
00:49:24	00:49:51	10	00:49:24	00:49:51	1	00:49:51	00:50:02	
00:49:51	00:50:02		00:49:51	00:50:02		00:50:02	00:50:05	2
00:50:02	00:50:05	5	00:50:02	00:50:05	1	00:50:05	00:50:35	
00:50:05	00:50:35		00:50:05	00:50:35		00:50:35	00:50:42	2
00:50:35	00:50:42	5	00:50:35	00:50:42	1	00:50:42	00:51:31	
00:50:42	00:51:31		00:50:42	00:51:31		00:51:31	00:51:48	1
00:51:31	00:51:48	4	00:51:31	00:51:48	1	00:51:48	00:52:09	
00:51:48	00:52:09		00:51:48	00:52:09		00:52:09	00:52:16	2
00:52:09	00:52:16	13	00:52:09	00:52:16	1	00:52:16	00:59:28	
00:52:16	00:59:28		00:52:16	00:59:28				

Tabelle 209: Kodierte Zmodi d. Gruppe BF_C_A6 ; ges.Bearbzeit 2520s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	33	0,013095	6,8%	1,3%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	64	0,025397	13,3%	2,5%
5	185	0,073413	38,3%	7,3%
6	9	0,003571	1,9%	0,4%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	33	0,013095	6,8%	1,3%
10	88	0,034921	18,2%	3,5%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	71	0,028175	14,7%	2,8%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	483			

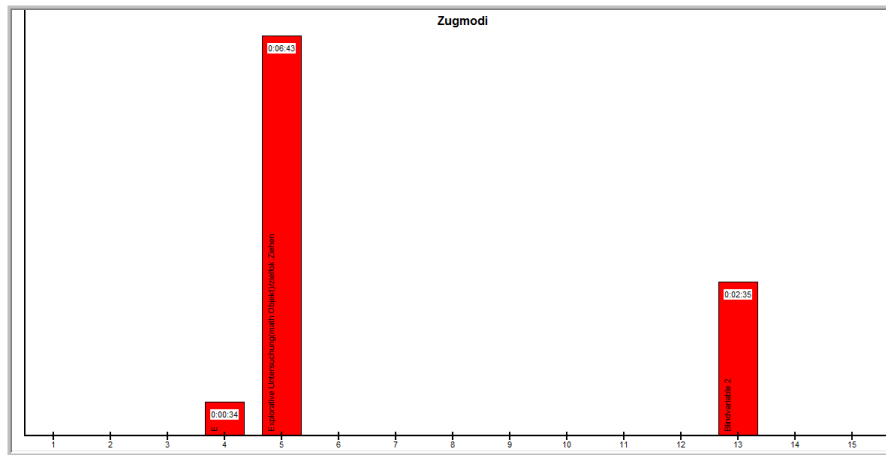
Tabelle 210: Verwendete Artefakteinschränkung der Gruppe BF_C_A6

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	404	0,836439	83,6%
2	7	0,014493	1,4%
3	0	0	0,0%
4	0	0	0,0%

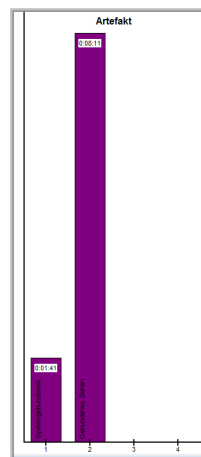
Tabelle 211: Verwendete Komplexitätsstufen der Gruppe BF_C_A6

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	163	0,337474	33,7%
2	271	0,561077	56,1%
3	23	0,047619	4,8%
4	0	0	0,0%
5	30	0,062112	6,2%

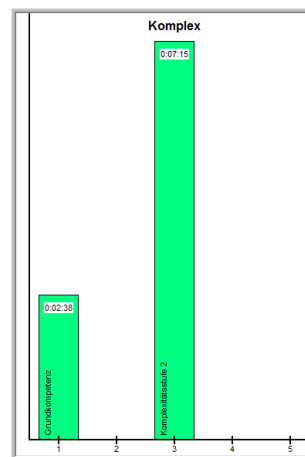
B.6.4 Gruppe DK1_C_A6



(a) Zugmodi



(b) Artefakt



(c) Komplexitätsgrad

Abbildung 34: Auswertung des Zugverhaltens der Gruppe DK1_C_A6

Tabelle 212: Auswertung der Gruppe DK1_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:03:52		00:00:00	00:03:52		00:00:00	00:03:52	
00:03:52	00:03:55	13	00:03:52	00:03:55	1	00:03:52	00:03:55	1
00:03:55	00:04:49		00:03:55	00:04:49		00:03:55	00:04:49	
00:04:49	00:04:55	13	00:04:49	00:04:55	1	00:04:49	00:04:55	1
00:04:55	00:04:56		00:04:55	00:04:56		00:04:55	00:04:56	
00:04:56	00:05:02	4	00:04:56	00:05:02	2	00:04:56	00:05:02	3
00:05:02	00:05:06	4	00:05:02	00:05:06	2	00:05:02	00:05:06	3
00:05:06	00:05:54		00:05:06	00:05:54		00:05:06	00:05:54	
00:05:54	00:06:02	13	00:05:54	00:06:02	1	00:05:54	00:06:02	1
00:06:02	00:07:05		00:06:02	00:07:05		00:06:02	00:07:05	
00:07:05	00:07:15	5	00:07:05	00:07:15	2	00:07:05	00:07:15	3
00:07:15	00:08:47		00:07:15	00:08:47		00:07:15	00:08:47	
00:08:47	00:09:24	13	00:08:47	00:09:24	2	00:08:47	00:09:24	1
00:09:24	00:09:45		00:09:24	00:09:45		00:09:24	00:09:45	
00:09:45	00:09:59	5	00:09:45	00:09:59	2	00:09:45	00:09:59	3
00:09:59	00:10:33		00:09:59	00:10:33		00:09:59	00:10:33	
00:10:33	00:10:42	5	00:10:33	00:10:42	2	00:10:33	00:10:42	3
00:10:42	00:10:44		00:10:42	00:10:44		00:10:42	00:10:44	
00:10:44	00:10:46	5	00:10:44	00:10:46	2	00:10:44	00:10:46	3
00:10:46	00:10:51		00:10:46	00:10:51		00:10:46	00:10:51	
00:10:51	00:11:01	5	00:10:51	00:11:01	2	00:10:51	00:11:01	3
00:11:01	00:11:49		00:11:01	00:11:49		00:11:01	00:11:49	
00:11:49	00:11:52	5	00:11:49	00:11:52	2	00:11:49	00:11:52	3
00:11:52	00:12:05		00:11:52	00:12:05		00:11:52	00:12:05	
00:12:05	00:12:22	5	00:12:05	00:12:22	2	00:12:05	00:12:22	3

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:12:22	00:12:54		00:12:22	00:12:54		00:12:22	00:12:54	
00:12:54	00:13:08	5	00:12:54	00:13:08	2	00:12:54	00:13:08	3
00:13:08	00:13:45		00:13:08	00:13:45		00:13:08	00:13:45	
00:13:45	00:13:52	13	00:13:45	00:13:52	2	00:13:45	00:13:52	1
00:13:52	00:14:27		00:13:52	00:14:27		00:13:52	00:14:27	
00:14:27	00:14:41	5	00:14:27	00:14:41	2	00:14:27	00:14:41	3
00:14:41	00:16:08		00:14:41	00:16:08		00:14:41	00:16:08	
00:16:08	00:16:13	13	00:16:08	00:16:13	2	00:16:08	00:16:13	1
00:16:13	00:16:20		00:16:13	00:16:20		00:16:13	00:16:20	
00:16:20	00:16:24	5	00:16:20	00:16:24	2	00:16:20	00:16:24	3
00:16:24	00:16:40		00:16:24	00:16:40		00:16:24	00:16:40	
00:16:40	00:16:45	5	00:16:40	00:16:45	2	00:16:40	00:16:45	3
00:16:45	00:17:10		00:16:45	00:17:10		00:16:45	00:17:10	
00:17:10	00:17:21	5	00:17:10	00:17:21	2	00:17:10	00:17:21	3
00:17:21	00:19:40		00:17:21	00:19:40		00:17:21	00:19:40	
00:19:40	00:19:59	13	00:19:40	00:19:59	1	00:19:40	00:19:59	1
00:19:59	00:20:03		00:19:59	00:20:03		00:19:59	00:20:03	
00:20:03	00:20:09	13	00:20:03	00:20:09	1	00:20:03	00:20:09	1
00:20:09	00:21:20		00:20:09	00:21:20		00:20:09	00:21:20	
00:21:20	00:21:40	13	00:21:20	00:21:40	1	00:21:20	00:21:40	1
00:21:40	00:21:50		00:21:40	00:21:50		00:21:40	00:21:50	
00:21:50	00:21:59	4	00:21:50	00:21:59	2	00:21:50	00:21:59	3
00:21:59	00:23:20		00:21:59	00:23:20		00:21:59	00:23:20	
00:23:20	00:23:35	5	00:23:20	00:23:35	2	00:23:20	00:23:35	3
00:23:35	00:23:38		00:23:35	00:23:38		00:23:35	00:23:38	
00:23:38	00:24:12	5	00:23:38	00:24:12	2	00:23:38	00:24:12	3
00:24:12	00:24:20		00:24:12	00:24:20		00:24:12	00:24:20	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:24:20	00:24:37	13	00:24:20	00:24:37	1	00:24:20	00:24:37	1
00:24:37	00:24:42		00:24:37	00:24:42		00:24:37	00:24:42	
00:24:42	00:24:54	5	00:24:42	00:24:54	2	00:24:42	00:24:54	3
00:24:54	00:25:58		00:24:54	00:25:58		00:24:54	00:25:58	
00:25:58	00:26:08	5	00:25:58	00:26:08	2	00:25:58	00:26:08	3
00:26:08	00:26:12		00:26:08	00:26:12		00:26:08	00:26:12	
00:26:12	00:26:27	5	00:26:12	00:26:27	2	00:26:12	00:26:27	3
00:26:27	00:26:53		00:26:27	00:26:53		00:26:27	00:26:53	
00:26:53	00:27:25	5	00:26:53	00:27:25	2	00:26:53	00:27:25	3
00:27:25	00:27:31		00:27:25	00:27:31		00:27:25	00:27:31	
00:27:31	00:27:39	5	00:27:31	00:27:39	2	00:27:31	00:27:39	3
00:27:39	00:27:56		00:27:39	00:27:56		00:27:39	00:27:56	
00:27:56	00:28:10	5	00:27:56	00:28:10	2	00:27:56	00:28:10	3
00:28:10	00:28:18		00:28:10	00:28:18		00:28:10	00:28:18	
00:28:18	00:28:21	5	00:28:18	00:28:21	2	00:28:18	00:28:21	3
00:28:21	00:28:33		00:28:21	00:28:33		00:28:21	00:28:33	
00:28:33	00:28:36	5	00:28:33	00:28:36	2	00:28:33	00:28:36	1
00:28:36	00:31:28		00:28:36	00:31:28		00:28:36	00:31:28	
00:31:28	00:31:34	13	00:31:28	00:31:34	1	00:31:28	00:31:34	1
00:31:34	00:31:40		00:31:34	00:31:40		00:31:34	00:31:40	
00:31:40	00:31:46	13	00:31:40	00:31:46	1	00:31:40	00:31:46	1
00:31:46	00:32:01		00:31:46	00:32:01		00:31:46	00:32:00	
00:32:01	00:32:16	4	00:32:01	00:32:16	2	00:32:00	00:32:01	3
00:32:16	00:32:28		00:32:16	00:32:28		00:32:01	00:32:16	3
00:32:28	00:32:37	5	00:32:28	00:32:37	2	00:32:16	00:32:28	
00:32:37	00:32:47		00:32:37	00:32:47		00:32:28	00:32:37	3
00:32:47	00:32:58	5	00:32:47	00:32:58	2	00:32:37	00:32:47	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:32:58	00:33:26		00:32:58	00:33:26		00:32:47	00:32:58	3
00:33:26	00:33:38	5	00:33:26	00:33:38	2	00:32:58	00:33:26	
00:33:38	00:34:06		00:33:38	00:34:06		00:33:26	00:33:38	3
00:34:06	00:34:10	5	00:34:06	00:34:10	2	00:33:38	00:34:06	
00:34:10	00:34:20		00:34:10	00:34:20		00:34:06	00:34:10	3
00:34:20	00:34:26	5	00:34:20	00:34:26	2	00:34:10	00:34:20	
00:34:26	00:36:10		00:34:26	00:36:10		00:34:20	00:34:26	3
00:36:10	00:36:15	13	00:36:10	00:36:15	2	00:34:26	00:36:10	
00:36:15	00:36:21		00:36:15	00:36:21		00:36:10	00:36:15	1
00:36:21	00:36:31	13	00:36:21	00:36:31	1	00:36:15	00:36:21	
00:36:31	00:36:39		00:36:31	00:36:39		00:36:21	00:36:31	1
00:36:39	00:36:49	5	00:36:39	00:36:49	2	00:36:31	00:36:39	
00:36:49	00:36:58		00:36:49	00:36:58		00:36:39	00:36:49	3
00:36:58	00:37:08	5	00:36:58	00:37:08	2	00:36:49	00:36:58	
00:37:08	00:37:33		00:37:08	00:37:33		00:36:58	00:37:08	3
00:37:33	00:38:00	5	00:37:33	00:38:00	2	00:37:08	00:37:33	
00:38:00	00:38:06		00:38:00	00:38:06		00:37:33	00:38:00	3
00:38:06	00:38:21	5	00:38:06	00:38:21	2	00:38:00	00:38:06	
00:38:21	00:38:25		00:38:21	00:38:25		00:38:06	00:38:21	3
00:38:25	00:38:30	5	00:38:25	00:38:30	2	00:38:21	00:38:25	
00:38:30	00:39:05		00:38:30	00:39:05		00:38:25	00:38:30	3
00:39:05	00:39:27	5	00:39:05	00:39:27	2	00:38:30	00:39:05	
00:39:27	00:39:31		00:39:27	00:39:31		00:39:05	00:39:27	3
00:39:31	00:39:44	5	00:39:31	00:39:44	2	00:39:27	00:39:31	
00:39:44	00:43:55		00:39:44	00:43:55		00:39:31	00:39:44	3
						00:39:44	00:43:55	

Tabelle 213: Kodierte Zmodi d. Gruppe DK1_C_A6 ; ges.Bearbzeit 2400s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	34	0,014167	5,7%	1,4%
5	403	0,167917	68,1%	16,8%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	0	0	0,0%	0,0%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	155	0,064583	26,2%	6,5%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	592			

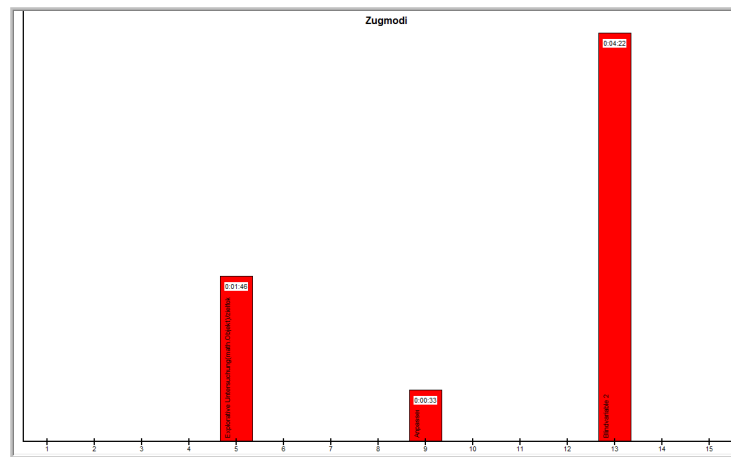
Tabelle 214: Verwendete Artefakteinschränkung der Gruppe DK1_C_A6

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	101	0,170608	17,1%
2	491	0,829392	82,9%
3	0	0	0,0%
4	0	0	0,0%

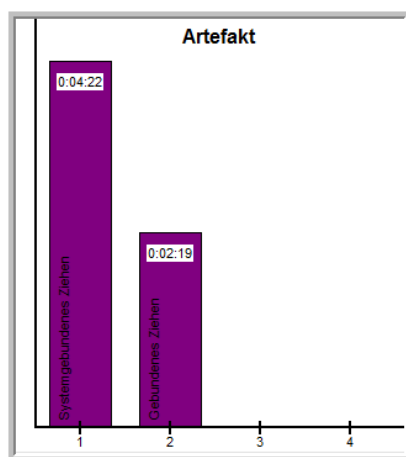
Tabelle 215: Verwendete Komplexitätsstufen der Gruppe DK1_C_A6

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	158	0,266892	26,7%
2	0	0	0,0%
3	435	0,734797	73,5%
4	0	0	0,0%
5	0	0	0,0%

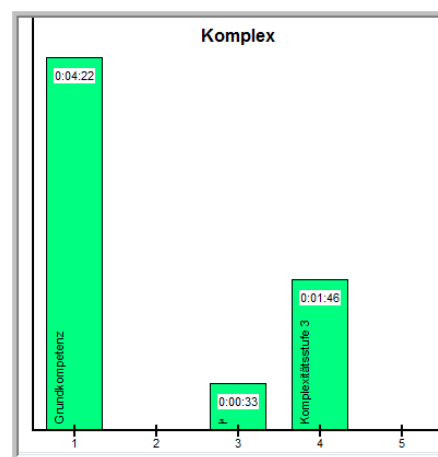
B.6.5 Gruppe DK2_C_A6



(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 35: Auswertung des Zugverhaltens der Gruppe DK2_C_A6

Tabelle 216: Auswertung der Gruppe DK2_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:28		00:00:00	00:00:28		00:00:00	00:00:28	
00:00:28	00:00:59	13	00:00:28	00:00:59	1	00:00:28	00:00:59	1
00:00:59	00:02:46		00:00:59	00:02:46		00:00:59	00:02:46	
00:02:46	00:02:53	13	00:02:46	00:02:53	1	00:02:46	00:02:53	1
00:02:53	00:04:01		00:02:53	00:04:01		00:02:53	00:04:01	
00:04:01	00:04:16	13	00:04:01	00:04:16	1	00:04:01	00:04:16	1
00:04:16	00:05:39		00:04:16	00:05:39		00:04:16	00:05:39	
00:05:39	00:05:45	13	00:05:39	00:05:45	1	00:05:39	00:05:45	1
00:05:45	00:06:52		00:05:45	00:06:52		00:05:45	00:06:52	
00:06:52	00:07:00	13	00:06:52	00:07:00	1	00:06:52	00:07:00	1
00:07:00	00:07:52		00:07:00	00:07:52		00:07:00	00:07:52	
00:07:52	00:08:25	13	00:07:52	00:08:25	1	00:07:52	00:08:25	1
00:08:25	00:08:55		00:08:25	00:08:55		00:08:25	00:08:55	
00:08:55	00:09:01	13	00:08:55	00:09:01	1	00:08:55	00:09:01	1
00:09:01	00:09:39		00:09:01	00:09:39		00:09:01	00:09:39	
00:09:39	00:09:50	5	00:09:39	00:09:50	2	00:09:39	00:09:50	4
00:09:50	00:10:38		00:09:50	00:10:38		00:09:50	00:10:38	
00:10:38	00:10:59	5	00:10:38	00:10:59	2	00:10:38	00:10:59	4
00:10:59	00:11:15		00:10:59	00:11:15		00:10:59	00:11:15	
00:11:15	00:11:41	5	00:11:15	00:11:41	2	00:11:15	00:11:41	4
00:11:41	00:13:22		00:11:41	00:13:22		00:11:41	00:13:22	
00:13:22	00:13:34	13	00:13:22	00:13:34	1	00:13:22	00:13:34	1
00:13:34	00:16:20		00:13:34	00:16:20		00:13:34	00:16:20	
00:16:20	00:16:58	13	00:16:20	00:16:58	1	00:16:20	00:16:58	1
00:16:58	00:20:59		00:16:58	00:20:59		00:16:58	00:20:59	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:20:59	00:21:07	13	00:20:59	00:21:07	1	00:20:59	00:21:07	1
00:21:07	00:22:59		00:21:07	00:22:59		00:21:07	00:22:59	
00:22:59	00:23:05	13	00:22:59	00:23:05	1	00:22:59	00:23:05	1
00:23:05	00:25:58		00:23:05	00:25:58		00:23:05	00:25:58	
00:25:58	00:26:01	9	00:25:58	00:26:01	2	00:25:58	00:26:01	3
00:26:01	00:26:24		00:26:01	00:26:24		00:26:01	00:26:24	
00:26:24	00:26:26	9	00:26:24	00:26:26	2	00:26:24	00:26:26	3
00:26:26	00:26:37		00:26:26	00:26:37		00:26:26	00:26:37	
00:26:37	00:26:45	13	00:26:37	00:26:45	1	00:26:37	00:26:45	1
00:26:45	00:28:22		00:26:45	00:28:22		00:26:45	00:28:22	
00:28:22	00:28:24	9	00:28:22	00:28:24	2	00:28:22	00:28:24	3
00:28:24	00:29:38		00:28:24	00:29:38		00:28:24	00:29:38	
00:29:38	00:29:45	13	00:29:38	00:29:45	1	00:29:38	00:29:45	1
00:29:45	00:34:11		00:29:45	00:34:11		00:29:45	00:34:11	
00:34:11	00:34:21	9	00:34:11	00:34:21	2	00:34:11	00:34:21	3
00:34:21	00:34:41		00:34:21	00:34:41		00:34:21	00:34:41	
00:34:41	00:35:35	13	00:34:41	00:35:35	1	00:34:41	00:35:35	1
00:35:35	00:35:45		00:35:35	00:35:45		00:35:35	00:35:45	
00:35:45	00:35:56	5	00:35:45	00:35:56	2	00:35:45	00:35:56	4
00:35:56	00:36:31		00:35:56	00:36:31		00:35:56	00:36:31	
00:36:31	00:36:35	9	00:36:31	00:36:35	2	00:36:31	00:36:35	3
00:36:35	00:36:44		00:36:35	00:36:44		00:36:35	00:36:44	
00:36:44	00:36:51	9	00:36:44	00:36:51	2	00:36:44	00:36:51	3
00:36:51	00:37:14		00:36:51	00:37:14		00:36:51	00:37:14	
00:37:14	00:37:30	13	00:37:14	00:37:30	1	00:37:14	00:37:30	1
00:37:30	00:38:02		00:37:30	00:38:02		00:37:30	00:38:02	
00:38:02	00:38:09	13	00:38:02	00:38:09	1	00:38:02	00:38:09	1

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:38:09	00:39:17		00:38:09	00:39:17		00:38:09	00:39:17	
00:39:17	00:39:20	9	00:39:17	00:39:20	2	00:39:17	00:39:20	3
00:39:20	00:39:22		00:39:20	00:39:22		00:39:20	00:39:22	
00:39:22	00:39:24	9	00:39:22	00:39:24	2	00:39:22	00:39:24	3
00:39:24	00:40:05		00:39:24	00:40:05		00:39:24	00:40:05	
00:40:05	00:40:12	5	00:40:05	00:40:12	2	00:40:05	00:40:12	4
00:40:12	00:40:16		00:40:12	00:40:16		00:40:12	00:40:16	
00:40:16	00:40:20	5	00:40:16	00:40:20	2	00:40:16	00:40:20	4
00:40:20	00:40:34		00:40:20	00:40:34		00:40:20	00:40:34	
00:40:34	00:40:40	5	00:40:34	00:40:40	2	00:40:34	00:40:40	4
00:40:40	00:40:56		00:40:40	00:40:56		00:40:40	00:40:56	
00:40:56	00:41:04	5	00:40:56	00:41:04	2	00:40:56	00:41:04	4
00:41:04	00:41:14		00:41:04	00:41:14		00:41:04	00:41:14	
00:41:14	00:41:22	5	00:41:14	00:41:22	2	00:41:14	00:41:22	4
00:41:22	00:41:30		00:41:22	00:41:30		00:41:22	00:41:30	
00:41:30	00:41:34	5	00:41:30	00:41:34	2	00:41:30	00:41:34	4
00:41:34	00:45:32		00:41:34	00:45:32		00:41:34	00:45:32	

Tabelle 217: Kodierte Zmodi d. Gruppe DK2_C_A6 ; ges.Bearbzeit 2560s

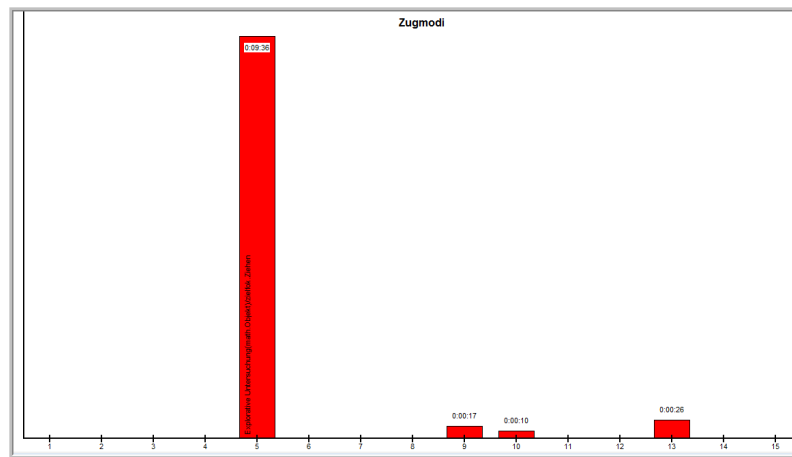
Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	106	0,041406	26,4%	4,1%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	33	0,012891	8,2%	1,3%
10	0	0	0,0%	0,0%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	262	0,102344	65,3%	10,2%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	401			

Tabelle 218: Verwendete Artefakteinschränkung der Gruppe DK2_C_A6

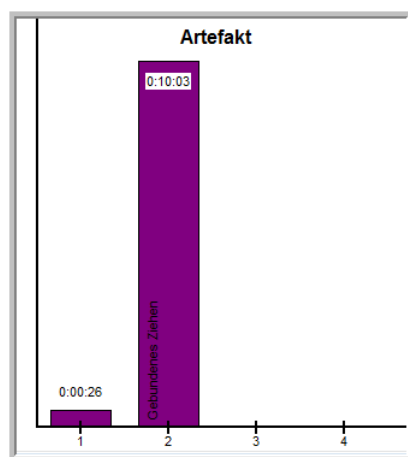
Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	262	0,653367	65,3%
2	139	0,346633	34,7%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 219: Verwendete Komplexitätsstufen der Gruppe DK2_C_A6

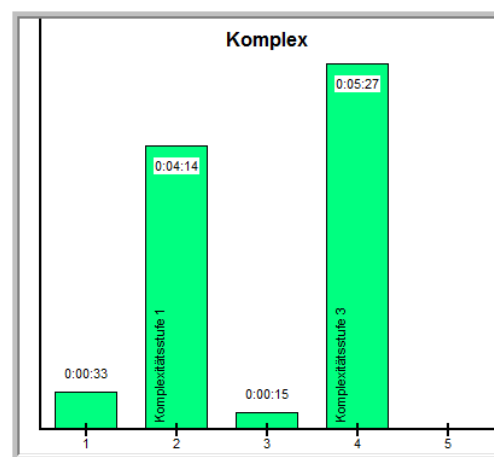
Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	262	0,653367	65,3%
2	0	0	0,0%
3	33	0,082294	8,2%
4	106	0,264339	26,4%
5	0	0	0,0%

B.6.6 Gruppe FH_C_A6

(a) Zugmodi



(b) Artefakteinschränkung



(c) Komplexitätsgrad

Abbildung 36: Auswertung des Zugverhaltens der Gruppe FH_C_A6

Tabelle 220: Auswertung der Gruppe FH_C_A6

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:00:00	00:00:15		00:00:00	00:00:15		00:00:00	00:00:15	
00:00:15	00:00:22	10	00:00:15	00:00:22	2	00:00:15	00:00:22	1
00:00:22	00:01:00		00:00:22	00:01:00		00:00:22	00:01:00	
00:01:00	00:01:15	13	00:01:00	00:01:15	1	00:01:00	00:01:15	1
00:01:15	00:02:00		00:01:15	00:02:00		00:01:15	00:02:00	
00:02:00	00:02:10	5	00:02:00	00:02:10	2	00:02:00	00:02:10	2
00:02:10	00:02:12		00:02:10	00:02:12		00:02:10	00:02:12	
00:02:12	00:02:17	5	00:02:12	00:02:17	2	00:02:12	00:02:17	2
00:02:17	00:03:03		00:02:17	00:03:03		00:02:17	00:03:03	
00:03:03	00:03:10	5	00:03:03	00:03:10	2	00:03:03	00:03:10	4
00:03:10	00:04:00		00:03:10	00:04:00		00:03:10	00:04:00	
00:04:00	00:04:12	5	00:04:00	00:04:12	2	00:04:00	00:04:12	4
00:04:12	00:04:15		00:04:12	00:04:15		00:04:12	00:04:15	
00:04:15	00:04:21	5	00:04:15	00:04:21	2	00:04:15	00:04:21	4
00:04:21	00:04:32		00:04:21	00:04:32		00:04:21	00:04:32	
00:04:32	00:04:35	5	00:04:32	00:04:35	2	00:04:32	00:04:35	4
00:04:35	00:04:40		00:04:35	00:04:40		00:04:35	00:04:40	
00:04:40	00:04:44	5	00:04:40	00:04:44	2	00:04:40	00:04:44	4
00:04:44	00:05:37		00:04:44	00:05:37		00:04:44	00:05:37	
00:05:37	00:05:39	5	00:05:37	00:05:39	2	00:05:37	00:05:39	4
00:05:39	00:05:53		00:05:39	00:05:53		00:05:39	00:05:53	
00:05:53	00:05:59	5	00:05:53	00:05:59	2	00:05:53	00:05:59	4
00:05:59	00:06:00		00:05:59	00:06:00		00:05:59	00:06:00	
00:06:00	00:06:06	5	00:06:00	00:06:06	2	00:06:00	00:06:06	4
00:06:06	00:06:14		00:06:06	00:06:14		00:06:06	00:06:14	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:06:14	00:06:25	5	00:06:14	00:06:25	2	00:06:14	00:06:25	4
00:06:25	00:06:30		00:06:25	00:06:30		00:06:25	00:06:30	
00:06:30	00:06:39	5	00:06:30	00:06:39	2	00:06:30	00:06:39	4
00:06:39	00:06:45		00:06:39	00:06:45		00:06:39	00:06:45	
00:06:45	00:06:49	5	00:06:45	00:06:49	2	00:06:45	00:06:49	4
00:06:49	00:08:01		00:06:49	00:08:01		00:06:49	00:08:01	
00:08:01	00:08:05	5	00:08:01	00:08:05	2	00:08:01	00:08:05	4
00:08:05	00:08:11		00:08:05	00:08:11		00:08:05	00:08:11	
00:08:11	00:08:28	5	00:08:11	00:08:28	2	00:08:11	00:08:28	4
00:08:28	00:10:35		00:08:28	00:10:35		00:08:28	00:10:35	
00:10:35	00:10:44	5	00:10:35	00:10:44	2	00:10:35	00:10:44	4
00:10:44	00:10:49		00:10:44	00:10:49		00:10:44	00:10:49	
00:10:49	00:10:59	5	00:10:49	00:10:59	2	00:10:49	00:10:59	4
00:10:59	00:11:08		00:10:59	00:11:08		00:10:59	00:11:08	
00:11:08	00:11:16	5	00:11:08	00:11:16	2	00:11:08	00:11:16	4
00:11:16	00:11:24		00:11:16	00:11:24		00:11:16	00:11:24	
00:11:24	00:11:28	5	00:11:24	00:11:28	2	00:11:24	00:11:28	4
00:11:28	00:11:37		00:11:28	00:11:37		00:11:28	00:11:37	
00:11:37	00:11:43	9	00:11:37	00:11:43	2	00:11:37	00:11:43	4
00:11:43	00:12:49		00:11:43	00:12:49		00:11:43	00:12:49	
00:12:49	00:12:53	5	00:12:49	00:12:53	2	00:12:49	00:12:53	4
00:12:53	00:13:04		00:12:53	00:13:04		00:12:53	00:13:04	
00:13:04	00:13:11	5	00:13:04	00:13:11	2	00:13:04	00:13:11	4
00:13:11	00:13:49		00:13:11	00:13:49		00:13:11	00:13:49	
00:13:49	00:13:54	5	00:13:49	00:13:54	2	00:13:49	00:13:54	4
00:13:54	00:14:24		00:13:54	00:14:24		00:13:54	00:14:24	
00:14:24	00:14:31	9	00:14:24	00:14:31	2	00:14:24	00:14:31	4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:14:31	00:16:02		00:14:31	00:16:02		00:14:31	00:16:02	
00:16:02	00:16:33	5	00:16:02	00:16:33	2	00:16:02	00:16:33	4
00:16:33	00:16:42		00:16:33	00:16:42		00:16:33	00:16:42	
00:16:42	00:16:45	5	00:16:42	00:16:45	2	00:16:42	00:16:45	4
00:16:45	00:17:45		00:16:45	00:17:45		00:16:45	00:17:45	
00:17:45	00:17:47	5	00:17:45	00:17:47	2	00:17:45	00:17:47	4
00:17:47	00:17:51		00:17:47	00:17:51		00:17:47	00:17:51	
00:17:51	00:17:59	5	00:17:51	00:17:59	2	00:17:51	00:17:59	2
00:17:59	00:19:03		00:17:59	00:19:03		00:17:59	00:19:03	
00:19:03	00:19:12	5	00:19:03	00:19:12	2	00:19:03	00:19:12	2
00:19:12	00:19:13		00:19:12	00:19:13		00:19:12	00:19:13	
00:19:13	00:19:18	5	00:19:13	00:19:18	2	00:19:13	00:19:18	4
00:19:18	00:19:52		00:19:18	00:19:52		00:19:18	00:19:52	
00:19:52	00:19:55	10	00:19:52	00:19:55	2	00:19:52	00:19:55	2
00:19:55	00:19:57	5	00:19:55	00:19:57	2	00:19:55	00:19:57	4
00:19:57	00:20:01		00:19:57	00:20:01		00:19:57	00:20:01	
00:20:01	00:20:05	5	00:20:01	00:20:05	2	00:20:01	00:20:05	4
00:20:05	00:20:10		00:20:05	00:20:10		00:20:05	00:20:10	
00:20:10	00:20:18	5	00:20:10	00:20:18	2	00:20:10	00:20:18	4
00:20:18	00:20:21		00:20:18	00:20:21		00:20:18	00:20:21	
00:20:21	00:20:25	5	00:20:21	00:20:25	2	00:20:21	00:20:25	4
00:20:25	00:20:32		00:20:25	00:20:32		00:20:25	00:20:32	
00:20:32	00:20:36	5	00:20:32	00:20:36	2	00:20:32	00:20:36	2
00:20:36	00:20:45		00:20:36	00:20:45		00:20:36	00:20:45	
00:20:45	00:20:51	5	00:20:45	00:20:51	2	00:20:45	00:20:51	2
00:20:51	00:20:53		00:20:51	00:20:53		00:20:51	00:20:53	
00:20:53	00:21:01	5	00:20:53	00:21:01	2	00:20:53	00:21:01	4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:21:01	00:21:04		00:21:01	00:21:04		00:21:01	00:21:04	
00:21:04	00:21:19	5	00:21:04	00:21:19	2	00:21:04	00:21:19	3
00:21:19	00:21:24		00:21:19	00:21:24		00:21:19	00:21:24	
00:21:24	00:21:39	5	00:21:24	00:21:39	2	00:21:24	00:21:39	4
00:21:39	00:22:30		00:21:39	00:22:30		00:21:39	00:22:30	
00:22:30	00:22:40	5	00:22:30	00:22:40	2	00:22:30	00:22:40	2
00:22:40	00:22:55		00:22:40	00:22:55		00:22:40	00:22:55	
00:22:55	00:22:59	9	00:22:55	00:22:59	2	00:22:55	00:22:59	2
00:22:59	00:24:44		00:22:59	00:24:44		00:22:59	00:24:44	
00:24:44	00:24:47	5	00:24:44	00:24:47	2	00:24:44	00:24:47	2
00:24:47	00:25:01		00:24:47	00:25:01		00:24:47	00:25:01	
00:25:01	00:25:06	5	00:25:01	00:25:06	2	00:25:01	00:25:06	2
00:25:06	00:25:32		00:25:06	00:25:32		00:25:06	00:25:32	
00:25:32	00:25:43	13	00:25:32	00:25:43	1	00:25:32	00:25:43	1
00:25:43	00:26:44		00:25:43	00:26:44		00:25:43	00:26:44	
00:26:44	00:26:59	5	00:26:44	00:26:59	2	00:26:44	00:26:59	4
00:26:59	00:27:16		00:26:59	00:27:16		00:26:59	00:27:16	
00:27:16	00:27:21	5	00:27:16	00:27:21	2	00:27:16	00:27:21	2
00:27:21	00:27:28		00:27:21	00:27:28		00:27:21	00:27:28	
00:27:28	00:27:43	5	00:27:28	00:27:43	2	00:27:28	00:27:43	2
00:27:43	00:27:45		00:27:43	00:27:45		00:27:43	00:27:45	
00:27:45	00:28:10	5	00:27:45	00:28:10	2	00:27:45	00:28:10	2
00:28:10	00:28:38		00:28:10	00:28:38		00:28:10	00:28:38	
00:28:38	00:28:54	5	00:28:38	00:28:54	2	00:28:38	00:28:54	2
00:28:54	00:29:31		00:28:54	00:29:31		00:28:54	00:29:31	
00:29:31	00:29:33	5	00:29:31	00:29:33	2	00:29:31	00:29:33	4
00:29:33	00:29:41		00:29:33	00:29:41		00:29:33	00:29:41	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:29:41	00:29:47	5	00:29:41	00:29:47	2	00:29:41	00:29:47	4
00:29:47	00:29:57		00:29:47	00:29:57		00:29:47	00:29:57	
00:29:57	00:30:01	5	00:29:57	00:30:01	2	00:29:57	00:30:01	2
00:30:01	00:30:02		00:30:01	00:30:02		00:30:01	00:30:02	
00:30:02	00:30:09	5	00:30:02	00:30:09	2	00:30:02	00:30:09	2
00:30:09	00:30:55		00:30:09	00:30:55		00:30:09	00:30:55	
00:30:55	00:31:02	5	00:30:55	00:31:02	2	00:30:55	00:31:02	4
00:31:02	00:31:07		00:31:02	00:31:07		00:31:02	00:31:07	
00:31:07	00:31:11	5	00:31:07	00:31:11	2	00:31:07	00:31:11	4
00:31:11	00:32:31		00:31:11	00:32:31		00:31:11	00:32:31	
00:32:31	00:32:35	5	00:32:31	00:32:35	2	00:32:31	00:32:35	2
00:32:35	00:32:38		00:32:35	00:32:38		00:32:35	00:32:38	
00:32:38	00:32:40	5	00:32:38	00:32:40	2	00:32:38	00:32:40	2
00:32:40	00:32:49		00:32:40	00:32:49		00:32:40	00:32:49	
00:32:49	00:32:56	5	00:32:49	00:32:56	2	00:32:49	00:32:56	2
00:32:56	00:33:32		00:32:56	00:33:32		00:32:56	00:33:32	
00:33:32	00:33:41	5	00:33:32	00:33:41	2	00:33:32	00:33:41	4
00:33:41	00:33:47		00:33:41	00:33:47		00:33:41	00:33:47	
00:33:47	00:34:00	5	00:33:47	00:34:00	2	00:33:47	00:34:00	4
00:34:00	00:34:08		00:34:00	00:34:08		00:34:00	00:34:08	
00:34:08	00:34:19	5	00:34:08	00:34:19	2	00:34:08	00:34:19	4
00:34:19	00:34:47		00:34:19	00:34:47		00:34:19	00:34:47	
00:34:47	00:34:55	5	00:34:47	00:34:55	2	00:34:47	00:34:55	2
00:34:55	00:35:03		00:34:55	00:35:03		00:34:55	00:35:03	
00:35:03	00:35:22	5	00:35:03	00:35:22	2	00:35:03	00:35:22	4
00:35:22	00:35:27		00:35:22	00:35:27		00:35:22	00:35:27	
00:35:27	00:35:30	5	00:35:27	00:35:30	2	00:35:27	00:35:30	4

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
00:35:30	00:35:35		00:35:30	00:35:35		00:35:30	00:35:35	
00:35:35	00:35:37	5	00:35:35	00:35:37	2	00:35:35	00:35:37	2
00:35:37	00:35:46		00:35:37	00:35:46		00:35:37	00:35:46	
00:35:46	00:35:53	5	00:35:46	00:35:53	2	00:35:46	00:35:53	2
00:35:53	00:35:56		00:35:53	00:35:56		00:35:53	00:35:56	
00:35:56	00:36:08	5	00:35:56	00:36:08	2	00:35:56	00:36:08	2
00:36:08	00:36:16		00:36:08	00:36:16		00:36:08	00:36:16	
00:36:16	00:36:22	5	00:36:16	00:36:22	2	00:36:16	00:36:22	2
00:36:22	00:36:39		00:36:22	00:36:39		00:36:22	00:36:39	
00:36:39	00:36:41	5	00:36:39	00:36:41	2	00:36:39	00:36:41	2
00:36:41	00:38:04		00:36:41	00:38:04		00:36:41	00:38:04	
00:38:04	00:38:10	5	00:38:04	00:38:10	2	00:38:04	00:38:10	2
00:38:10	00:38:23		00:38:10	00:38:23		00:38:10	00:38:23	
00:38:23	00:38:49	5	00:38:23	00:38:49	2	00:38:23	00:38:49	2
00:38:49	00:38:54		00:38:49	00:38:54		00:38:49	00:38:54	
00:38:54	00:39:02	5	00:38:54	00:39:02	2	00:38:54	00:39:02	2
00:39:02	00:39:13		00:39:02	00:39:13		00:39:02	00:39:13	
00:39:13	00:39:20	5	00:39:13	00:39:20	2	00:39:13	00:39:20	2
00:39:20	00:39:30		00:39:20	00:39:30		00:39:20	00:39:30	
00:39:30	00:39:34	5	00:39:30	00:39:34	2	00:39:30	00:39:34	2
00:39:34	00:40:06		00:39:34	00:40:06		00:39:34	00:40:06	
00:40:06	00:40:11	5	00:40:06	00:40:11	2	00:40:06	00:40:11	4
00:40:11	00:40:21		00:40:11	00:40:21		00:40:11	00:40:21	
00:40:21	00:40:28	5	00:40:21	00:40:28	2	00:40:21	00:40:28	2
00:40:28	00:40:39		00:40:28	00:40:39		00:40:28	00:40:39	
00:40:39	00:40:46	5	00:40:39	00:40:46	2	00:40:39	00:40:46	2
00:40:46	00:47:36		00:40:46	00:47:36		00:40:46	00:47:36	

begin	end	Zugmodi	begin	end	Aeinschränkung	begin	end	Kgrad
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Tabelle 221: Kodierte Zmodi d. Gruppe FH_C_A6 ; ges.Bearbzeit 2540s

Zugmodi	Gesamtzeit(s)	AnteilZugmodi	rel.Anteil	AnteilZugm in %
1	0	0	0,0%	0,0%
2	0	0	0,0%	0,0%
3	0	0	0,0%	0,0%
4	0	0	0,0%	0,0%
5	576	0,226772	91,6%	22,7%
6	0	0	0,0%	0,0%
7	0	0	0,0%	0,0%
8	0	0	0,0%	0,0%
9	17	0,006693	2,7%	0,7%
10	10	0,003937	1,6%	0,4%
11	0	0	0,0%	0,0%
12	0	0	0,0%	0,0%
13	26	0,010236	4,1%	1,0%
14	0	0	0,0%	0,0%
15	0	0	0,0%	0,0%
Summe:	629			

Tabelle 222: Verwendete Artefakteinschränkung der Gruppe FH_C_A6

Artefakt	Gesamtzeit(s)	AnteilArtefakt	AnteilArtefakt
1	26	0,041335	4,1%
2	603	0,958665	95,9%
3	0	0	0,0%
4	0	0	0,0%

Tabelle 223: Verwendete Komplexitätsstufen der Gruppe FH_C_A6

Kstufe	Gesamtzeit(s)	AnteilKstufe	AnteilKstufe
1	33	0,052464	5,2%
2	254	0,403816	40,4%
3	15	0,023847	2,4%
4	327	0,519873	52,0%
5	0	0	0,0%

Anhang C

Quantitative Auswertungen von Studie 3

C.1 Auswertungen der einzelnen Aufgaben

Tabelle 224: Auswertungen Aufgabe I: Boîtes Noires

Gruppe	Zugm	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	6,4%	0,0%	9,8%	12,2%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	68,2%	66,7%	49,0%	55,9%	60,2%	65,7%
	6	10,6%	0,0%	4,4%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	21,2%	30,5%	27,7%	13,2%	14,8%	13,6%
	9	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	10	0,0%	1,1%	7,2%	3,7%	1,1%	0,8%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	1,7%	1,6%	0,0%	0,0%	0,0%
	13	0,0%	0,0%	3,6%	27,2%	14,2%	7,7%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		15:50	26:00	33:45	40:40	46:05	53:55
Bzeit (s)		950	1560	2025	2440	2765	3235
ZM (s)		85	174	249	136	379	507
ZM (min)		1:25	2:54	4:09	2:16	6:19	8:27
Ant. Zugzeit		9%	11%	12%	6%	14%	16%

Gruppe	Artefakt	AL	BF	BW	DK1	DK2	FH
	1	81,2%	55,7%	79,5%	55,7%	71,5%	81,1%
	2	18,8%	44,3%	20,5%	44,3%	28,5%	18,3%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%

Gruppe	Kgrad	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	3,6%	27,2%	14,2%	7,7%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	100,0%	100,0%	90,0%	72,8%	85,8%	92,3%

Tabelle 225: Auswertungen Aufg. II: Tetraederkonstruktion

Gruppe	Zugm	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	2	25,0%	0,0%	16,7%	0,0%	0,0%	0,0%
	3	4,9%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	0,0%	0,0%	0,0%	2,7%	13,8%	0,0%
	6	4,9%	0,0%	16,7%	6,9%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	26,6%	43,5%	55,6%	13,3%	22,4%	27,6%
	9	3,3%	7,0%	11,1%	19,7%	0,0%	0,0%
	10	0,0%	10,0%	0,0%	9,6%	0,0%	19,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	35,3%	39,5%	0,0%	47,9%	63,8%	53,4%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		20:00	39:00	19:25	22:20	13:20	21:30
Bzeit (s)		1200	2340	1165	1340	800	1290
ZM (s)		184	200	54	188	58	58
AnteilZzeit		15%	9%	5%	14%	7%	4%
Lösung		r	r	r	f	r	r
Bem			Hilfe				
	Artefakt	AL	BF	BW	DK1	DK2	FH
	1	27,7%	43,0%	0,0%	7,4%	63,8%	24,1%
	2	62,5%	43,5%	48,1%	90,4%	27,6%	56,9%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	4,9%	17,0%	24,1%	2,1%	8,6%	19,0%

Tabelle 226: Auswertungen Aufg. III: Oktaederkonstruktion

Zugm		AL	BF	BW	DK1	DK2	FH
Gruppe							
	1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	10,9%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	6	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	0,0%	94,3%	0,0%	30,0%	0,0%	23,4%
	9	0,0%	0,0%	0,0%	0,0%	0,0%	7,8%
	10	0,0%	5,7%	0,0%	0,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	100,0%	0,0%	100,0%	70,0%	0,0%	57,8%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		05:45	21:20	14:30	16:20	09:45	19:30
Bzeit (s)		345	1280	870	980	585	1170
ZM (s)		6	53	10	40	0	64
Anteil Zzeit		2%	4%	1%	4%	0%	5%
Lösung		r	r	r	r	r	r
Bem			Hilfe				Doz.ZM

Artefakt		AL	BF	BW	DK1	DK2	FH
Gruppe							
	1	100,0%	0,0%	0,0%	0,0%	0,0%	28,1%
	2	0,0%	69,8%	100,0%	92,5%	0,0%	71,9%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	30,2%	0,0%	7,5%	0,0%	0,0%

Tabelle 227: Auswertungen Aufgabe IV: Kegelschnitte

Zugm							
Gruppe		AL	BF	BW	DK1	DK2	FH
	1	0,9%	22,6%	0,0%	0,0%	0,0%	3,7%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	1,4%	0,4%	3,0%	16,2%	0,0%	0,0%
	5	66,3%	38,4%	60,7%	44,8%	66,1%	56,2%
	6	0,9%	0,0%	1,3%	0,6%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	0,0%	8,2%	7,9%	0,0%	0,0%	0,0%
	9	10,8%	0,0%	3,2%	3,8%	27,7%	23,2%
	10	2,4%	25,0%	0,0%	2,5%	0,0%	5,3%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	17,4%	5,5%	23,8%	32,2%	6,2%	7,8%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	3,7%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		37:30	31:30	47:00	50:00	30:00	43:00
Bzeit (s)		2250	1890	2820	3000	1800	2580
ZM (s)		585	784	529	692	386	617
ZM (min)		9:45	13:04	8:49	11:32	6:26	10:17
Anteil Zzeit		26%	41%	19%	23%	21%	24%
Bem		asynchr			asynchr		

Artefakt							
Gruppe		AL	BF	BW	DK1	DK2	FH
	1	30,9%	81,6%	76,2%	44,4%	9,8%	93,7%
	2	68,7%	18,4%	23,8%	57,7%	90,2%	6,3%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,3%	0,0%	0,0%	0,0%	0,0%	0,0%

Kgrad							
Gruppe		AL	BF	BW	DK1	DK2	FH
	1	15,6%	22,6%	26,3%	20,4%	6,2%	8,8%
	2	15,2%	66,8%	50,9%	44,9%	0,0%	85,4%
	3	40,9%	0,0%	1,9%	13,3%	76,9%	1,1%
	4	4,3%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	24,1%	0,0%	21,0%	23,4%	17,9%	4,7%

Tabelle 228: Auswertungen Aufg.V: Würfelkonstruktion

Gruppe	Zugm	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	6	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	100,0%	9,5%	63,6%	40,0%	100,0%	7,1%
	9	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	10	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	0,0%	90,5%	36,4%	60,0%	0,0%	92,9%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		09:00	14:30	08:20	09:50	05:40	06:15
Bzeit (s)		540	870	500	590	340	375
ZM (s)		9	42	22	30	0	42
Anteil Zzeit		2%	5%	4%	5%	0%	11%
Lösung		r	r	r	r	r	r
Bem		Doz.ZM					
Gruppe	Artefakt	AL	BF	BW	DK1	DK2	FH
	1	0,0%	40,5%	36,4%	60,0%	0,0%	26,2%
	2	100,0%	52,4%	31,8%	20,0%	0,0%	73,8%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	7,1%	31,8%	20,0%	0%	0,0%

Tabelle 229: Auswertungen Aufgabe VI: Würfelschnitte

Zugm		AL	BF	BW	DK1	DK2	FH
Gruppe							
	1	0,0%	6,8%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	13,3%	7,3%	5,7%	0,0%	0,0%
	5	65,5%	38,3%	71,9%	68,1%	26,4%	91,6%
	6	2,9%	1,9%	0,0%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	9	0,0%	6,8%	0,0%	0,0%	8,2%	2,7%
	10	1,1%	18,2%	1,4%	0,0%	0,0%	1,6%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	1,1%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	29,5%	14,7%	19,4%	26,2%	65,3%	4,1%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		37:40	42:00	42:40	40:00	42:40	42:20
Bzeit (s)		2260	2520	2560	2400	2560	2540
ZM (s)		455	483	509	592	401	629
ZM (min)		7:35	8:03	8:29	9:52	6:41	10:29
Anteil Zzeit		20%	19%	20%	25%	16%	25%
Bem		asyK2K3	42m				

Artefakt		AL	BF	BW	DK1	DK2	FH
Gruppe							
	1	7,7%	83,6%	18,1%	17,1%	65,3%	4,1%
	2	92,3%	1,4%	81,1%	82,9%	34,7%	95,9%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,8%	0,0%	0,0%	0,0%

Komplexitätsgrad		AL	BF	BW	DK1	DK2	FH
Gruppe							
	1	3,3%	33,7%	21,8%	26,7%	65,3%	5,2%
	2	26,4%	56,1%	0,6%	0,0%	0,0%	40,4%
	3	64,8%	4,8%	16,5%	73,5%	8,2%	2,4%
	4	0,0%	0,0%	34,2%	0,0%	26,4%	52,0%
	5	3,3%	6,2%	26,9%	0,0%	0,0%	0,0%

C.2 Auswertungen nach Gruppen

Tabelle 230: Auswertungen der Gruppe AL

Gruppe	Zugmodi	schwarze B	expl. Aufg	Kaufgaben			
		AL (I)	AL (IV)	AL (VI)	AL (II)	AL (III)	AL (V)
	1	0,0%	0,9%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	25,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	4,9%	0,0%	0,0%
	4	0,0%	1,4%	0,0%	0,0%	0,0%	0,0%
	5	68,2%	66,3%	65,5%	0,0%	0,0%	0,0%
	6	10,6%	0,9%	2,9%	4,9%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	21,2%	0,0%	0,0%	26,6%	0,0%	100,0%
	9	0,0%	10,8%	0,0%	3,3%	0,0%	0,0%
	10	0,0%	2,4%	1,1%	0,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	1,1%	0,0%	0,0%	0,0%
	13	0,0%	17,4%	29,5%	35,3%	100,0%	0,0%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	Bzeit min	15:50	37:30	37:40	20:00	05:45	09:00
	Bzeit s	950	2250	2260	1200	345	540
	ZM in s	85	585	455	184	6	9
	ZM in min	1:25	9:45	7:35	3:04	0:06	0:09
	Anteil Zzeit	9%	26%	20%	15%	2%	2%
	Bem		asyn	asynK2/K3	r	r	r, DozM

Artefakt							
Gruppe		AL (I)	AL (IV)	AL (VI)	AL (II)	AL (III)	AL (V)
	1	81,2%	30,9%	7,7%	27,7%	100,0%	0,0%
	2	18,8%	68,7%	92,3%	62,5%	0,0%	100,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,3%	0,0%	4,9%	0,0%	0,0%

Kgrad							
Gruppe		AL (I)	AL (IV)	AL (VI)	AL (II)	AL (III)	AL (V)
	1	0,0%	15,6%	3,3%	x	x	x
	2	0,0%	15,2%	26,4%	x	x	x
	3	0,0%	40,9%	64,8%	x	x	x
	4	0,0%	4,3%	0,0%	x	x	x
	5	100,0%	24,1%	3,3%	x	x	x

Tabelle 231: Auswertungen der Gruppe BW

Gruppe	Zugmodi	schwarze B	expl. Aufg	Kaufgaben			
		BW (I)	BW (IV)	BW (VI)	BW (II)	BW (III)	BW (V)
	1	6,4%	0,0%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	16,7%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	3,0%	7,3%	0,0%	0,0%	0,0%
	5	49,0%	60,7%	71,9%	0,0%	0,0%	0,0%
	6	4,4%	1,3%	0,0%	16,7%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	27,7%	7,9%	0,0%	55,6%	0,0%	63,6%
	9	0,0%	3,2%	0,0%	11,1%	0,0%	0,0%
	10	7,2%	0,0%	1,4%	0,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	1,6%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	3,6%	23,8%	19,4%	0,0%	100,0%	36,4%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit min		33:45	47:00	42:40	19:25	14:30	08:20
Bzeit s		2025	2820	2560	1165	870	500
ZM s		249	529	509	54	10	22
ZM min		4:09	8:49	8:29	0:54	0:10	0:22
Anteil Zzeit		12%	19%	20%	5%	1%	4%
Bem					r	r	r

Artefakt		BW (I)	BW (IV)	BW (VI)	BW (II)	BW (III)	BW (V)
Gruppe	1	79,5%	76,2%	18,1%	0,0%	0,0%	36,4%
	2	20,5%	23,8%	81,1%	48,1%	100,0%	31,8%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,8%	24,1%	0,0%	31,8%
Komplexitätsgrad		BW (I)	BW (IV)	BW (VI)	BW (II)	BW (III)	BW (V)
Gruppe	1	3,6%	26,3%	21,8%	x	x	x
	2	0,0%	50,9%	0,6%	x	x	x
	3	0,0%	1,9%	16,5%	x	x	x
	4	0,0%	0,0%	34,2%	x	x	x
	5	90,0%	21,0%	26,9%	x	x	x

Tabelle 232: Auswertungen der Gruppe BF

Gruppe	Zugmodi	schwarze B	expl. Aufg	Kaufgaben			
		BF (I)	BF (IV)	BF (VI)	BF (II)	BF (III)	BF (V)
	1	0,0%	22,6%	6,8%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,4%	13,3%	0,0%	0,0%	0,0%
	5	66,7%	38,4%	38,3%	0,0%	0,0%	0,0%
	6	0,0%	0,0%	1,9%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	30,5%	8,2%	0,0%	43,5%	94,3%	9,5%
	9	0,0%	0,0%	6,8%	7,0%	0,0%	0,0%
	10	1,1%	25,0%	18,2%	10,0%	5,7%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	1,7%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	0,0%	5,5%	14,7%	39,5%	0,0%	90,5%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit min		26:00	31:30	42:00	39:00	21:20	14:30
Bzeit s		1560	1890	2520	2340	1280	870
ZM s		174	784	483	200	53	42
ZM min		2:54	13:04	8:03	3:20	0:53	0:42
Anteil Zzeit		11%	41%	19%	9%	4%	5%
Bem				42n	r, Hilfe	r,Hilfe	r

Artefakt		BF (I)	BF (IV)	BF (VI)	BF (II)	BF (III)	BF (V)
Gruppe	1	55,7%	81,6%	83,6%	43,0%	0,0%	40,5%
	2	44,3%	18,4%	1,4%	43,5%	69,8%	52,4%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	17,0%	30,2%	7,1%
Komplexitätsgrad		BF (I)	BF (IV)	BF (VI)	BF (II)	BF (III)	BF (V)
Gruppe	1	0,0%	22,6%	33,7%	x	x	x
	2	0,0%	66,8%	56,1%	x	x	x
	3	0,0%	0,0%	4,8%	x	x	x
	4	0,0%	0,0%	0,0%	x	x	x
	5	100,0%	0,0%	6,2%	x	x	x

Tabelle 233: Auswertungen der Gruppe DK1

								C.2 AUSWERTUNGEN NACH GRUPPEN
Gruppe	Zugmodi	schwarze B DK1 (I)	expl. Aufg DK1 (IV)	DK1 (VI)	Kaufgaben DK1 (II)	DK1 (III)	DK1 (V)	
	1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	4	0,0%	16,2%	5,7%	0,0%	0,0%	0,0%	
	5	55,9%	44,8%	68,1%	2,7%	0,0%	0,0%	
	6	0,0%	0,6%	0,0%	6,9%	0,0%	0,0%	
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	8	13,2%	0,0%	0,0%	13,3%	30,0%	40,0%	
	9	0,0%	3,8%	0,0%	19,7%	0,0%	0,0%	
	10	3,7%	2,5%	0,0%	9,6%	0,0%	0,0%	
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	13	27,2%	32,2%	26,2%	47,9%	70,0%	60,0%	
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	
	Bzeit min	40:40	50:00	40:00	22:20	16:20	09:50	
	Bzeit s	2440	3000	2400	1340	980	590	
	ZM s	136	692	592	188	40	30	
	ZM min	2:16	11:32	9:52	3:08	0:40	0:30	
	Anteil Zzeit	6%	23%	25%	14%	4%	5%	
	Bem				f	r	r	

C.2 AUSWERTUNGEN NACH GRUPPEN	713
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Gruppe	Zugmodi	schwarze B	expl. Aufg	Kaufgaben			
		DK2 (I)	DK2 (IV)	DK2 (VI)	DK2 (II)	DK2 (III)	DK2 (V)
	1	9,8%	0,0%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	60,2%	66,1%	26,4%	13,8%	0,0%	0,0%
	6	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	14,8%	0,0%	0,0%	22,4%	0,0%	100,0%
	9	0,0%	27,7%	8,2%	0,0%	0,0%	0,0%
	10	1,1%	0,0%	0,0%	0,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	14,2%	6,2%	65,3%	63,8%	0,0%	0,0%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit min		46:05	30:00	42:40	13:20	09:45	05:40
Bzeit s		2765	1800	2560	800	585	340
ZM s		379	386	401	58	0	2
ZM min		6:19	6:26	6:41	0:58	0:00	0:02
Anteil Zzeit		14%	21%	16%	7%	0%	1%
Bem					r	r	r

Tabelle 235: Auswertungen der Gruppe FH

Gruppe	Zugmodi	schwarze B FH (I)	expl. Aufg FH (IV)	FH (VI)	Kaufgaben FH (II)	FH (III)	FH (V)
	1	12,2%	3,7%	0,0%	0,0%	0,0%	0,0%
	2	0,0%	0,0%	0,0%	0,0%	10,9%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	65,7%	56,2%	91,6%	0,0%	0,0%	0,0%
	6	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	13,6%	0,0%	0,0%	27,6%	23,4%	7,1%
	9	0,0%	23,2%	2,7%	0,0%	7,8%	0,0%
	10	0,8%	5,3%	1,6%	19,0%	0,0%	0,0%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	13	7,7%	7,8%	4,1%	53,4%	57,8%	92,9%
	14	0,0%	3,7%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit min		53:55	43:00	42:20	21:30	19:30	06:15
Bzeit s		3235	2580	2540	1290	1170	375
ZM s		507	617	629	58	64	42
ZM min		8:27	10:17	10:29	0:58	1:04	0:42
Anteil Zzeit		16%	24%	25%	4%	5%	11%
Bem			asynch		r	r,DozZM	r

Artefakt							
Gruppe		FH (I)	FH (IV)	FH (VI)	FH (II)	FH (III)	FH (V)
	1	81,1%	93,7%	4,1%	24,1%	28,1%	26,2%
	2	18,3%	6,3%	95,9%	56,9%	71,9%	73,8%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	19,0%	0,0%	0,0%

Komplexitätsgrad							
Gruppe		FH (I)	FH (IV)	FH (VI)	FH (II)	FH (III)	FH (V)
	1	7,7%	8,8%	5,2%	x	x	x
	2	0,0%	85,4%	40,4%	x	x	x
	3	0,0%	1,1%	2,4%	x	x	x
	4	0,0%	0,0%	52,0%	x	x	x
	5	92,3%	4,7%	0,0%	x	x	x

C.3 Vergleichende Auswertungen explorativer Aufgaben und Konstruktionsaufgaben

Tabelle 236: Vergleich der explorativen Aufgaben I, IV, VI

Zugm																		
	AL(I)	AL(IV)	AL(VI)	BF(I)	BF(IV)	BF(VI)	BW(I)	BW(IV)	BW(VI)	DK1(I)	DK1(IV)	DK1(VI)	DK2(I)	DK2(IV)	DK2(VI)	FH(I)	FH(IV)	FH(VI)
1	0,0%	0,9%	0,0%	0,0%	22,6%	6,8%	6,4%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	9,8%	0,0%	0,0%	12,2%	3,7%
2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4	0,0%	1,4%	0,0%	0,0%	0,4%	13,3%	0,0%	3,0%	7,3%	0,0%	16,2%	5,7%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
5	68,2%	66,3%	65,5%	66,7%	38,4%	38,3%	49,0%	60,7%	71,9%	55,9%	44,8%	68,1%	60,2%	66,1%	26,4%	65,7%	56,2%	91,6%
6	10,6%	0,9%	2,9%	0,0%	0,0%	1,9%	4,4%	1,3%	0,0%	0,0%	0,6%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
8	21,2%	0,0%	0,0%	30,5%	8,2%	0,0%	27,7%	7,9%	0,0%	13,2%	0,0%	0,0%	14,8%	0,0%	0,0%	13,6%	0,0%	0,0%
9	0,0%	10,8%	0,0%	0,0%	0,0%	6,8%	0,0%	3,2%	0,0%	0,0%	3,8%	0,0%	0,0%	27,7%	8,2%	0,0%	23,2%	2,7%
10	0,0%	2,4%	1,1%	1,1%	25,0%	18,2%	7,2%	0,0%	1,4%	3,7%	2,5%	0,0%	1,1%	0,0%	0,0%	0,8%	5,3%	1,6%
11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
12	0,0%	0,0%	1,1%	1,7%	0,0%	0,0%	1,6%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
13	0,0%	17,4%	29,5%	0,0%	5,5%	14,7%	3,6%	23,8%	19,4%	27,2%	32,2%	26,2%	14,2%	6,2%	65,3%	7,7%	7,8%	4,1%
14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	3,7%	0,0%
15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15:50	37:30	37:40	26:00	31:30	42:00	33:45	47:00	42:40	40:40	50:00	40:00	46:05	30:00	42:40	53:55	43:00	42:20
	950	2250	2260	1560	1890	2520	2025	2820	2560	2440	3000	2400	2765	1800	2560	3235	2580	2540
	85	585	455	174	784	483	249	529	509	136	692	592	379	386	401	507	617	629
	1:25	9:45	7:35	2:54	13:04	8:03	4:09	8:49	8:29	2:16	11:32	9:52	6:19	6:26	6:41	8:27	10:17	10:29
	9%	26%	20%	11%	41%	19%	12%	19%	20%	6%	23%	25%	14%	21%	16%	16%	24%	25%
Afakt																		
	AL(I)	AL(IV)	AL(VI)	BF(I)	BF(IV)	BF (VI)	BW(I)	BW(IV)	BW(VI)	DK1(I)	DK1(IV)	DK1(VI)	DK2(I)	DK2(IV)	DK2(VI)	FH(I)	FH(IV)	FH(VI)
1	81,2%	30,9%	7,7%	55,7%	81,6%	83,6%	79,5%	76,2%	18,1%	55,7%	44,4%	17,1%	71,5%	9,8%	65,3%	81,1%	93,7%	4,1%
2	18,8%	68,7%	92,3%	44,3%	18,4%	1,4%	20,5%	23,8%	81,1%	44,3%	57,7%	82,9%	28,5%	90,2%	34,7%	18,3%	6,3%	95,9%
3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4	0,0%	0,3%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,8%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Kgrad																		
	AL(I)	AL(IV)	AL(VI)	BF(I)	BF(IV)	BF(VI)	BW(I)	BW(IV)	BW(VI)	DK1(I)	DK1(IV)	DK1(VI)	DK2 I)	DK2 (IV)	DK2(VI)	FH(I)	FH(IV)	FH(VI)
1	0,0%	15,6%	3,3%	0,0%	22,6%	33,7%	3,6%	26,3%	21,8%	27,2%	20,4%	26,7%	14,2%	6,2%	65,3%	7,7%	8,8%	5,2%
2	0,0%	15,2%	26,4%	0,0%	66,8%	56,1%	0,0%	50,9%	0,6%	0,0%	44,9%	0,0%	0,0%	0,0%	0,0%	0,0%	85,4%	40,4%
3	0,0%	40,9%	64,8%	0,0%	0,0%	4,8%	0,0%	1,9%	16,5%	0,0%	13,3%	73,5%	0,0%	76,9%	8,2%	0,0%	1,1%	2,4%
4	0,0%	4,3%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	34,2%	0,0%	0,0%	0,0%	0,0%	0,0%	26,4%	0,0%	0,0%	52,0%
5	100,0%	24,1%	3,3%	100,0%	0,0%	6,2%	90,0%	21,0%	26,9%	72,8%	23,4%	0,0%	85,8%	17,9%	0,0%	92,3%	4,7%	0,0%

Tabelle 237: Explorative Aufgabe I

Gruppe	Zugm	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	6,4%	0,0%	9,8%	12,2%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	68,2%	66,7%	49,0%	55,9%	60,2%	65,7%
	6	10,6%	0,0%	4,4%	0,0%	0,0%	0,0%
	7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	8	21,2%	30,5%	27,7%	13,2%	14,8%	13,6%
	9	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	10	0,0%	1,1%	7,2%	3,7%	1,1%	0,8%
	11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	12	0,0%	1,7%	1,6%	0,0%	0,0%	0,0%
	13	0,0%	0,0%	3,6%	27,2%	14,2%	7,7%
	14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit (min)		15:50	26:00	33:45	40:40	46:05	53:55
Bzeit (s)		950	1560	2025	2440	2765	3235
ZM (s)		85	174	249	136	379	507
ZM (min)		1:25	2:54	4:09	2:16	6:19	8:27
Ant. Zugzeit		9%	11%	12%	6%	14%	16%

Gruppe	Artefakt	AL	BF	BW	DK1	DK2	FH
	1	81,2%	55,7%	79,5%	55,7%	71,5%	81,1%
	2	18,8%	44,3%	20,5%	44,3%	28,5%	18,3%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%

Gruppe	Kgrad	AL	BF	BW	DK1	DK2	FH
	1	0,0%	0,0%	3,6%	27,2%	14,2%	7,7%
	2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	5	100,0%	100,0%	90,0%	72,8%	85,8%	92,3%

Tabelle 238: Explorative Aufgabe I über 5 Prozent

	Zugm	AL	BF	BW	DK1	DK2	FH
Gruppe	1			6,4%		9,8%	12,2%
hypothZ.	2						
	3						
	4						
exp.Unt./zielf.Z	5	68,2%	66,7%	49,0%	55,9%	60,2%	65,7%
valid.Fktt.	6	10,6%					
	7						
valid.abt.Z	8	21,2%	30,5%	27,7%	13,2%	14,8%	13,6%
	9						
Z.ohnemat.Int.	10			7,2%			
	11						
	12						
ZM2.Art	13				27,2%	14,2%	7,7%
	14						
	15						
Bzeit min		15:50	26:00	33:45	40:40	46:05	53:55
Bzeit s		950	1560	2025	2440	2765	3235
ZM s		85	174	249	136	379	507
ZM min		1:25	2:54	4:09	2:16	6:19	8:27
Anteil Zzeit		9%	11%	12%	6%	14%	16%
Bem							

Gruppe	Artefakt	AL (I)	BF (I)	BW (I)	DK1 (I)	DK2 (I)	FH (I)
	1	81,2%	55,7%	79,5%	55,7%	71,5%	81,1%
	2	18,8%	44,3%	20,5%	44,3%	28,5%	18,3%
	3						
	4						
Gruppe	Kgrad	AL (I)	BF (I)	BW (I)	DK1 (I)	DK2 (I)	FH (I)
	1			3,6%	27,2%	14,2%	7,7%
	2						
	3						
	4						
	5	100,0%	100,0%	90,0%	72,8%	85,8%	92,3%

Tabelle 239: Vergleich der explorativen Aufgaben IV und VI

Gr. (Aufg.)		AL(IV)	AL(VI)	BF(IV)	BF(VI)	BW(IV)	BW(VI)	DK1(IV)	DK1(VI)	DK2(IV)	DK2(VI)	FH(IV)	FH(VI)
1		0,9%	0,0%	22,6%	6,8%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	3,7%	0,0%
2		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
3		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4		1,4%	0,0%	0,4%	13,3%	3,0%	7,3%	16,2%	5,7%	0,0%	0,0%	0,0%	0,0%
5		66,3%	65,5%	38,4%	38,3%	60,7%	71,9%	44,8%	68,1%	66,1%	26,4%	56,2%	91,6%
6		0,9%	2,9%	0,0%	1,9%	1,3%	0,0%	0,6%	0,0%	0,0%	0,0%	0,0%	0,0%
7		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
8		0,0%	0,0%	8,2%	0,0%	7,9%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
9		10,8%	0,0%	0,0%	6,8%	3,2%	0,0%	3,8%	0,0%	27,7%	8,2%	23,2%	2,7%
10		2,4%	1,1%	25,0%	18,2%	0,0%	1,4%	2,5%	0,0%	0,0%	0,0%	5,3%	1,6%
11		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
12		0,0%	1,1%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
13		17,4%	29,5%	5,5%	14,7%	23,8%	19,4%	32,2%	26,2%	6,2%	65,3%	7,8%	4,1%
14		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	3,7%	0,0%
15		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Bzeit min		37:30	37:40	31:30	42:00	47:00	42:40	50:00	40:00	30:00	42:40	43:00	42:20
Bzeit s		2250	2260	1890	2520	2820	2560	3000	2400	1800	2560	2580	2540
ZM s		585	455	784	483	529	509	692	592	386	401	617	629
ZM min		9:45	7:35	13:04	8:03	8:49	8:29	11:32	9:52	6:26	6:41	10:17	10:29
Anteil Zzeit		26%	20%	41%	19%	19%	20%	23%	25%	21%	16%	24%	25%
Bem		asyn	asyn K2/K3		42n							asynch	

Gruppe	Artefakt	AL(IV)	AL(VI)	BF(IV)	BF(VI)	BW(IV)	BW(VI)	DK1(IV)	DK1(VI)	DK2(IV)	DK2(VI)	FH(IV)	FH(VI)
1		30,9%	7,7%	81,6%	83,6%	76,2%	18,1%	44,4%	17,1%	9,8%	65,3%	93,7%	4,1%
2		68,7%	92,3%	18,4%	1,4%	23,8%	81,1%	57,7%	82,9%	90,2%	34,7%	6,3%	95,9%
3		0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4		0,3%	0,0%	0,0%	0,0%	0,0%	0,8%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%

Gruppe	Komplexitätsgrad	AL(IV)	AL(VI)	BF(IV)	BF(VI)	BW(IV)	BW(VI)	DK1(IV)	DK1(VI)	DK2(IV)	DK2(VI)	FH(IV)	FH(VI)
1		15,6%	3,3%	22,6%	33,7%	26,3%	21,8%	20,4%	26,7%	6,2%	65,3%	8,8%	5,2%
2		15,2%	26,4%	66,8%	56,1%	50,9%	0,6%	44,9%	0,0%	0,0%	0,0%	85,4%	40,4%
3		40,9%	64,8%	0,0%	4,8%	1,9%	16,5%	13,3%	73,5%	76,9%	8,2%	1,1%	2,4%
4		4,3%	0,0%	0,0%	0,0%	0,0%	34,2%	0,0%	0,0%	0,0%	26,4%	0,0%	52,0%
5		24,1%	3,3%	0,0%	6,2%	21,0%	26,9%	23,4%	0,0%	17,9%	0,0%	4,7%	0,0%

Tabelle 240: Vergleich der explorativen Aufgaben IV und VI über 5 Prozent

Gruppe hypoth.Z	Zugmodi	AL (IV)	AL (VI)	BF (IV)	BF (VI)	BW (IV)	BW (VI)	DK1 (IV)	DK1 (VI)	DK2 (IV)	DK2 (VI)	FH (IV)	FH (VI)
	1			22,6%	6,8%								
	2												
	3												
exp.Fktest	4				13,3%		7,3%	16,2%	5,7%				
exp.Unt./zielfok.Z	5	66,3%	65,5%	38,4%	38,3%	60,7%	71,9%	44,8%	68,1%	66,1%	26,4%	56,2%	91,6%
val.Fktest	6												
	7												
val.abt.Z	8			8,2%		7,9%							
anp.Z	9	10,8%			6,8%					27,7%	8,2%	23,2%	
Z ohne math.Int	10			25,0%	18,2%							5,3%	
	11												
	12												
ZM 2.Art	13	17,4%	29,5%	5,5%	14,7%	23,8%	19,4%	32,2%	26,2%	6,2%	65,3%	7,8%	
	14												
	15												
Bzeit min		37:30	37:40	31:30	42:00	47:00	42:40	50:00	40:00	30:00	42:40	43:00	42:20
Bzeit s		2250	2260	1890	2520	2820	2560	3000	2400	1800	2560	2580	2540
ZM s		585	455	784	483	529	509	692	592	386	401	617	629
ZM min		9:45	7:35	13:04	8:03	8:49	8:29	11:32	9:52	6:26	6:41	10:17	10:29
Anteil Zzeit		26%	20%	41%	19%	19%	20%	23%	25%	21%	16%	24%	25%
Bem		asyn	asynK2/K3		42n							asyn	

Gruppe	Artefakt	AL(IV)	AL(VI)	BF(IV)	BF(VI)	BW(IV)	BW(VI)	DK1(IV)	DK1(VI)	DK2(IV)	DK2(VI)	FH(IV)	FH(VI)
	1	30,9%	7,7%	81,6%	83,6%	76,2%	18,1%	44,4%	17,1%	9,8%	65,3%	93,7%	4,1%
	2	68,7%	92,3%	18,4%	1,4%	23,8%	81,1%	57,7%	82,9%	90,2%	34,7%	6,3%	95,9%
	3												
	4												

Gruppe	Komplexitätsgrad	AL(IV)	AL(VI)	BF(IV)	BF(VI)	BW(IV)	BW(VI)	DK1 (IV)	DK1(VI)	DK2(IV)	DK2(VI)	FH(IV)	FH(VI)
	1	15,6%		22,6%	33,7%	26,3%	21,8%	20,4%	26,7%	6,2%	65,3%	8,8%	5,2%
	2	15,2%	26,4%	66,8%	56,1%	50,9%		44,9%				85,4%	40,4%
	3	40,9%	64,8%		4,8%		16,5%	13,3%	73,5%	76,9%	8,2%		
	4	4,3%					34,2%				26,4%		52,0%
	5	24,1%			6,2%	21,0%	26,9%	23,4%		17,9%		4,7%	

Tabelle 241: Vergleich der Konstruktionsaufgaben II, III und V

Zugmodi	AL (II)	AL(III)	AL(V)	BF(II)	BF(III)	BF(V)	BW(II)	BW(III)	BW(V)	DK1(II)	DK1(III)	DK1(V)	DK2(II)	DK2(III)	DK2(V)	FH(II)	FH(III)	FH(V)
1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2	25,0%	0,0%	0,0%	0,0%	0,0%	0,0%	16,7%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	10,9%	0,0%
3	4,9%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
5	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	2,7%	0,0%	0,0%	13,8%	0,0%	0,0%	0,0%	0,0%	0,0%
6	4,9%	0,0%	0,0%	0,0%	0,0%	0,0%	16,7%	0,0%	0,0%	6,9%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
7	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
8	26,6%	0,0%	100,0%	43,5%	94,3%	9,5%	55,6%	0,0%	63,6%	13,3%	30,0%	40,0%	22,4%	0,0%	100,0%	27,6%	23,4%	7,1%
9	3,3%	0,0%	0,0%	7,0%	0,0%	0,0%	11,1%	0,0%	0,0%	19,7%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	7,8%	0,0%
10	0,0%	0,0%	0,0%	10,0%	5,7%	0,0%	0,0%	0,0%	0,0%	9,6%	0,0%	0,0%	0,0%	0,0%	0,0%	19,0%	0,0%	0,0%
11	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
12	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
13	35,3%	100,0%	0,0%	39,5%	0,0%	90,5%	0,0%	100,0%	36,4%	47,9%	70,0%	60,0%	63,8%	0,0%	0,0%	53,4%	57,8%	92,9%
14	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
15	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
	20:00	05:45	09:00	39:00	21:20	14:30	19:25	14:30	08:20	22:20	16:20	09:50	13:20	09:45	05:40	21:30	19:30	06:15
	1200	345	540	2340	1280	870	1165	870	500	1340	980	590	800	585	340	1290	1170	375
	184	6	9	200	53	42	54	10	22	188	40	30	58	0	2	58	64	42
	15%	2%	2%	9%	4%	5%	5%	1%	4%	14%	4%	5%	7%	0%	1%	4%	5%	11%
	r	r	r	r	r	r	r	r	r	f	r	r	r	r	r	r	r	r

Artefakt	AL(II)	AL(III)	AL(V)	BF(II)	BF(III)	BF(V)	BW(II)	BW(III)	BW(V)	DK1(II)	DK1(III)	DK1(V)	DK2(II)	DK2(III)	DK2(V)	FH(II)	FH(III)	FH(V)
1	27,7%	100,0%	0,0%	43,0%	0,0%	40,5%	0,0%	0,0%	36,4%	7,4%	0,0%	60,0%	63,8%	0,0%	0,0%	24,1%	28,1%	26,2%
2	62,5%	0,0%	100,0%	43,5%	69,8%	52,4%	48,1%	100,0%	31,8%	90,4%	92,5%	20,0%	27,6%	0,0%	0,0%	56,9%	71,9%	73,8%
3	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
4	4,9%	0,0%	0,0%	17,0%	30,2%	7,1%	24,1%	0,0%	31,8%	2,1%	7,5%	20,0%	8,6%	0,0%	100,0%	19,0%	0,0%	0,0%

Tabelle 242: Vergleich der Konstruktionsaufgaben II, III und V über 5 Prozent

Zugmodi	AL(II)	AL(III)	AL(V)	BF(II)	BF(III)	BF(V)	BW(II)	BW(III)	BW(V)	DK1(II)	DK1(III)	DK1(V)	DK2(II)	DK2(III)	DK2(V)	FH(II)	FH(III)	FH(V)
1																		
2	25,0%						16,7%										10,9%	
3	4,9%																	
4																		
5													13,8%					
6	4,9%						16,7%			6,9%								
7																		
8	26,6%		100,0%	43,5%	94,3%	9,5%	55,6%		63,6%	13,3%	30,0%	40,0%	22,4%		100,0%	27,6%	23,4%	7,1%
9	3,3%			7,0%			11,1%			19,7%							7,8%	
10				10,0%	5,7%					9,6%						19,0%		
11																		
12																		
13	35,3%	100,0%		39,5%		90,5%		100,0%	36,4%	47,9%	70,0%	60,0%	63,8%			53,4%	57,8%	92,9%
14																		
15																		
	20:00	05:45	09:00	39:00	21:20	14:30	19:25	14:30	08:20	22:20	16:20	09:50	13:20	09:45	05:40	21:30	19:30	06:15
	1200	345	540	2340	1280	870	1165	870	500	1340	980	590	800	585	340	1290	1170	375
	184	6	9	200	53	42	54	10	22	188	40	30	58	0	2	58	64	42
	15%	2%	2%	9%	4%	5%	5%	1%	4%	14%	4%	5%	7%	0%	1%	4%	5%	11%
	r	r	r	r	r	r	r	r	r	f	r	r	r	r	r	r	r	r
Artefakt	AL(II)	AL(III)	AL(V)	BF(II)	BF(III)	BF(V)	BW(II)	BW(III)	BW(V)	DK1(II)	DK1(III)	DK1(V)	DK2(II)	DK2(III)	DK2(V)	FH(II)	FH(III)	FH(V)
1	27,7%	100,0%		43,0%		40,5%			36,4%	7,4%		60,0%	63,8%			24,1%	28,1%	26,2%
2	62,5%		100,0%	43,5%	69,8%	52,4%	48,1%	100,0%	31,8%	90,4%	92,5%	20,0%	27,6%			56,9%	71,9%	73,8%
3																		
4	4,9%			17,0%	30,2%	7,1%	24,1%		31,8%	2,1%	7,5%	20,0%	8,6%		100,0%	19,0%		

Der Zugmodus in 3D-dynamischen Geometriesystemen
(DGS)

Analyse von Nutzerverhalten und Typenbildung

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