

Contents

1	Introduction	1
1.1	Definitions	4
1.2	State of the Art	7
	References	11
2	Unary Algebras	13
2.1	Simplification Algorithm	17
2.2	Three-Element Algebras	20
2.3	Width and Complexity	29
	References	31
3	Reducing CSP to <code>SYSTEMSAT</code> over Unary Algebras	33
	Reference	41
4	Partial Characterizations	43
4.1	Generic Operations with Few Values	43
4.2	Four-Element 2-Valued Algebras	48
	References	61
5	Conclusions and Open Problems	63

Computational Complexity of Solving Equation Systems

Broniek, P.

2015, IX, 64 p. 1 illus., Softcover

ISBN: 978-3-319-21749-9