

The bedding attitudes below (Table 5.2) come from the Greasy Cove anticline, a compressional structure in the southern Appalachian fold-thrust belt. What is the  $\pi$  axis of the fold? Use a tangent diagram to find the axis and the style of the fold.

**Table 5.2.**  
Bedding attitudes, Greasy Cove anticline, northeastern Alabama

Dip	Azimuth	Dip	Azimuth	Dip	Azimuth
46	316	55	316	60	310
55	311	40	295	14	124
12	319	26	281	60	304
20	248	25	275	10	270
10	266	14	294	16	307
12	243	15	173	12	150
24	154	22	154	28	231
20	129	30	128	30	119
35	143	25	114	32	131
25	120	70	151	26	165
20	345	12	255	11	258
15	160	12	190		

**Fig. 2.29.**  
Tangent diagram

