



HW4



- 1 The results of scanline survey (in the previous page) are shown in the table. Please plot the poles of 15 discontinuities and estimate the number of sets of joints and the averaged orientations.

Intersention distance(m)	Dip Direction (Degrees)	Dip Angle (Degrees)	Semi-trace length(m) above or left of scan line	Semi-trace length(m) below or right of scan line	Termination I=1, A=2, O=3	
0	247	50	0.09	0.01	2	2
0.55	190	85	0	0.05	2	2
0.83	204	85	0.03	0.06	2	2
1.00	230	85	0.02	0.02	2	2
1.50	348	90	0.03	0.08	2	2
1.77	306	50	0.09	0.01	2	2
2.54	318	75	0.04	0.19	2	2
2.72	240	60	0.13	0.01	2	2
3.07	240	65	0.06	0.01	2	2
3.33	226	45	1.96	1.63	2	2
3.65	240	45	0.01	0.1	2	2
3.74	250	60	0.12	0.03	2	2
4.99	350	70	0.1	0.01	2	2
5.87	290	50	0.04	0.04	2	2
6.57	16	65	0.03	0.04	2	2
Detail of scanline: Trend <u>60</u> Plunge <u>15</u> Length <u>6.69</u>		Details of rock face: Dip direction <u>286</u> Dip angle <u>38</u> Non-overhanging Height <u> </u> m Width <u> </u> m		Rock type <u>薄層砂岩夾薄葉層頁岩</u> Condition of exposure: <u>中度風化</u> <u>內寬 tight</u>		