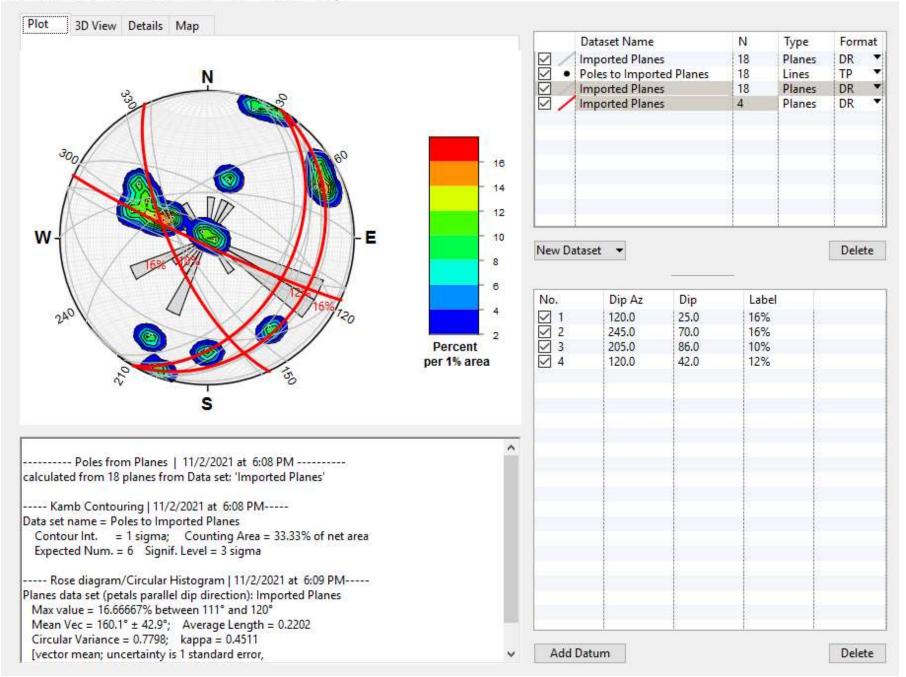
Limestone veins in the base of the Orange Mt. Basalt, Mine Brook Park, Flemington, NJ



Limestone Veins Stereonet Data.stnt

File Edit Data Calculations Plot View Window Help



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STEP 1: Determine the structural maximums

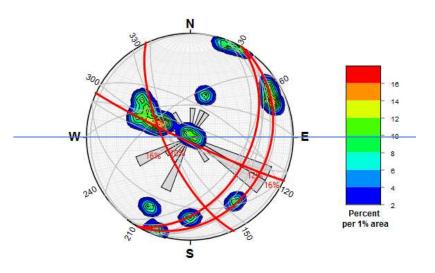
Structural maximums:

- 1. 16% pole 300/65 = Plane 120/25 (supplement strike and compliment dip)
- 2. 16% pole 065/14 = Plane 245/76
- 3. 12% pole 293/55 = Plane 113/35
- 4. 10% pole 025/4 = Plane 205/86

STEP 2: Use a E-W cross-section line to determine the apparent dips for the respective maximums.

Apparent dips:

- 1. 16% Plane 120/25 = 21 E
- 2. 16% Plane 245/76 = 72 W
- 3. 12% Plane 113/35 = 33 E
- 4. 10% Plane 205/86 = 81 W



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Apparent Dip Calculator

Example Input

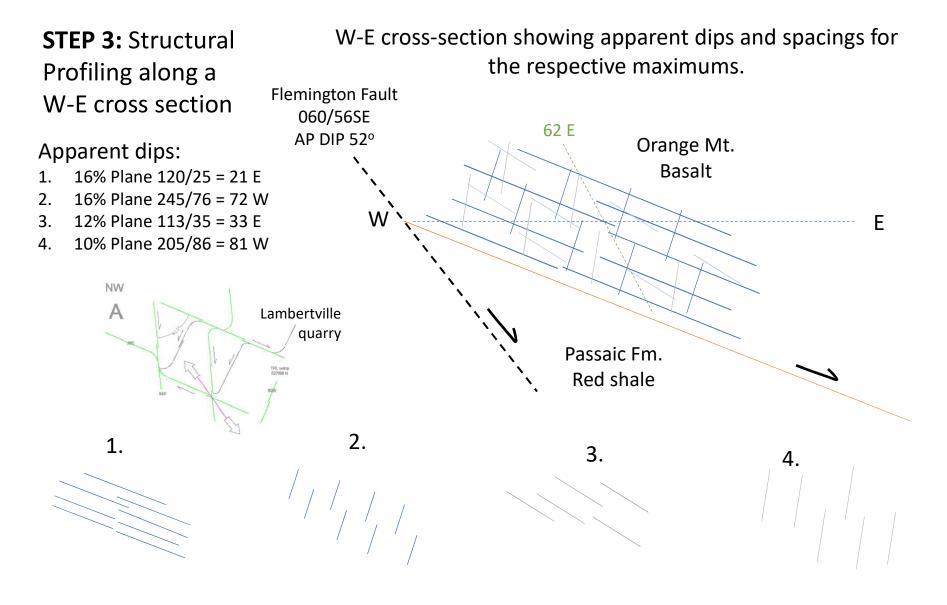
Take from an Excel spreadsheet and calculate apparent dip given cross section azimuth, true dip, and plane dip azimuth.

Cut & Paste from a MS Excel Worksheet using the format found in the example input above. Do not include the headers.

You can also enter the values for the input field (true dip, cross section, plane dip azimuth) in comma seperated form.

25,90,12021.99054488848731476,90,24574.6182616623898135,90,11332.803579089626384,90,270486,90,20580.6049072291583	True Dip Cross Section Azimuth	Plane Dip Azimuth	Apparent Dip(Degrees)
35,90,113 4,90,270 32.80357908962638 4	25,90,120	21.	990544888487314
4,90,270 4	76,90,245	74.	61826166238981
	35,90,113	32.	80357 <mark>908962638</mark>
86,90,205 80.6049072291583	4,90,270	4	
	86,90,205	80.	6049072291583

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A structural analysis of limestone veins in the base of the Orange Mt. Basalt, Mine Brook Park, Flemington, NJ

