

Treatise on Stair Building & Handrailing
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 fig.214

Plan of pyramid = abcv ??
 Should be abca

D	A	C	E	B	Tetrahedron Angles
D	S	R1	P2	C5	Hawkindale Angles

Tetrahedron Angles

D Angle = 30.00000
 A Angle = 56.31000
 C Angle = 36.86997
 E Angle = 43.85373
 B Angle = 46.10216

90-D Angle = 60.00000
 90-A Angle = 33.69000
 90-C Angle = 53.13003
 90-E Angle = 46.14627
 90-B Angle = 43.89784

Hawkindale Angles

S = 56.31°
 D = 30°
 $R1 = \arctan(\tan(S) * \sin(D)) = 36.87°$
 $P2 = \arctan(\cos(S) \div \tan(D)) = 43.85°$
 $C5 = \arctan(\sin(R1) \div \tan(D)) = 46.10°$

