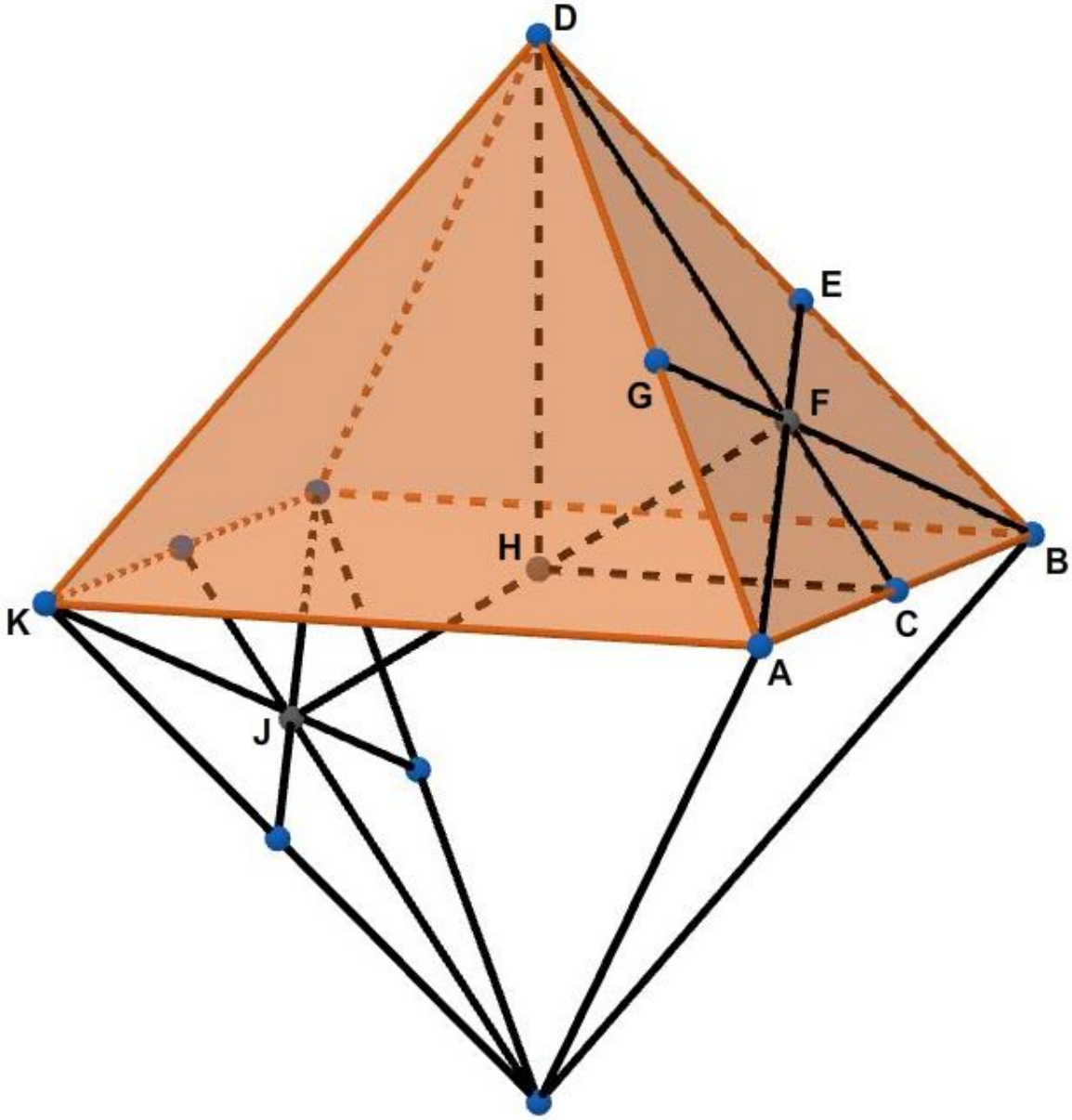
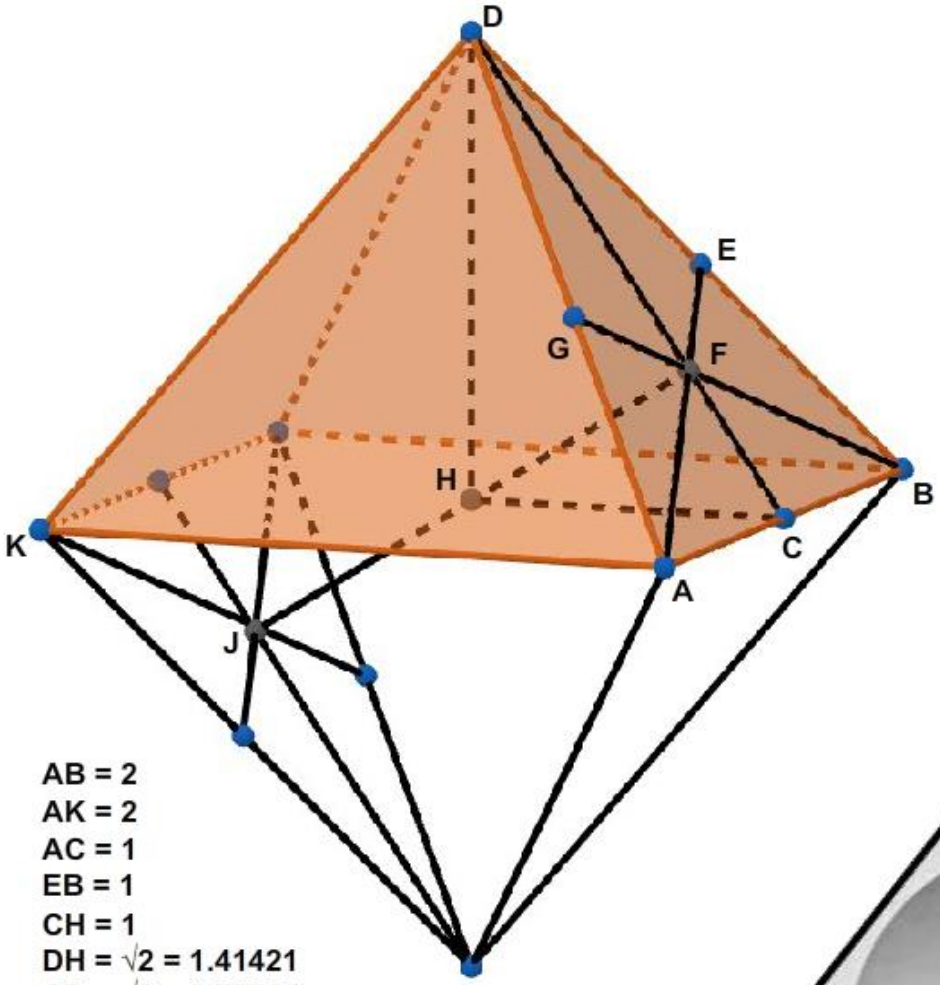


The Octahedron and Euclid 13:14

AN ILLUSTRATIVE OBSERVATION TO DEMONSTRATE THE √2 AND √3

Carl Balowski | March 2024

Construct an octahedron according to Euclid 13:14.



AB = 2
AK = 2
AC = 1
EB = 1
CH = 1
DH = √2 = 1.41421
CD = √3 = 1.73205
AE = √3 = 1.73205
BG = √3 = 1.73205
CF = √3 / 3 = 1 / √3 = 0.57735
DF = √ (4 / 3) = 1.15470
FH = √ (2 / 3) = 0.816496
FJ = 2√ (2 / 3) = 1.632993

