

3.16 General Quadrilateral

Sides of a quadrilateral: a, b, c, d

Diagonals: d_1, d_2

Angle between the diagonals: φ

Internal angles: $\alpha, \beta, \gamma, \delta$

Perimeter: L

Area: S

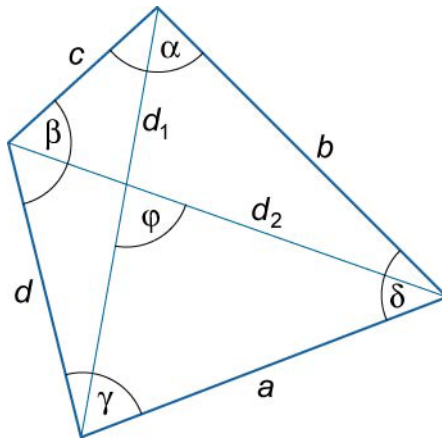


Figure 27.

246. $\alpha + \beta + \gamma + \delta = 360^\circ$

247. $L = a + b + c + d$

248. $S = \frac{1}{2} d_1 d_2 \sin \varphi$