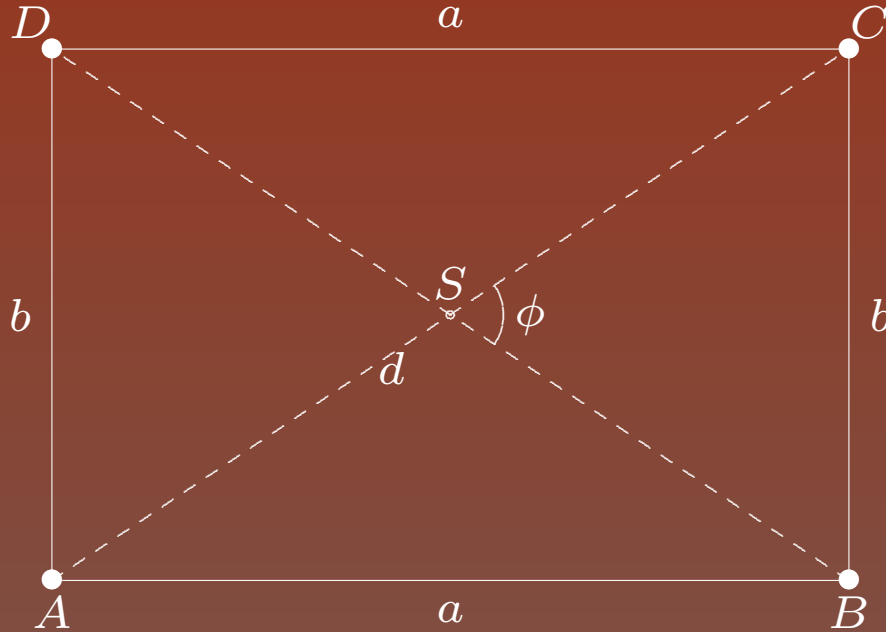


PRAVOKOTNIK



S...razpolovišče diagonal

$$d^2 = a^2 + b^2$$

$$S = ab$$

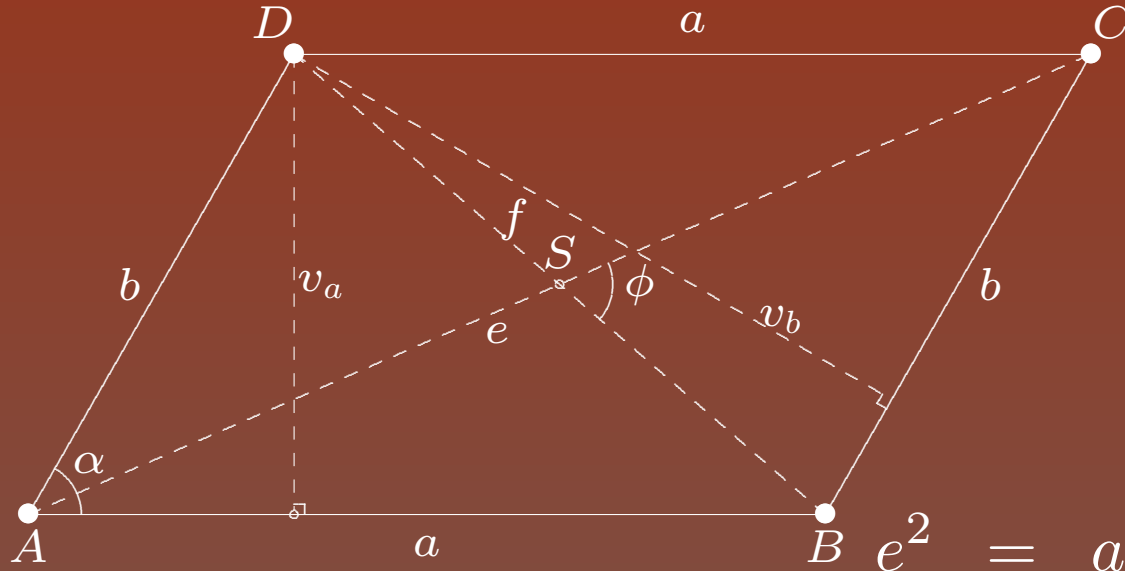
$$o = 2a + 2b$$

$$b^2 = \frac{d^2}{2} (1 - \cos \phi)$$

$$a^2 = \frac{d^2}{2} (1 + \cos \phi)$$

$$S = \frac{d^2}{2} \sin \phi$$

PARALELOGRAM



$$e^2 = a^2 + b^2 + 2ab \cos \alpha$$

S...razpolovišče diagonal

$$f^2 = a^2 + b^2 - 2ab \cos \alpha$$

$$S = a \cdot v_a = b \cdot v_b$$

$$b^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2 - 2 \cdot \frac{e}{2} \cdot \frac{f}{2} \cos \phi$$

$$S = ab \sin \alpha$$

$$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2 + 2 \cdot \frac{e}{2} \cdot \frac{f}{2} \cos \phi$$

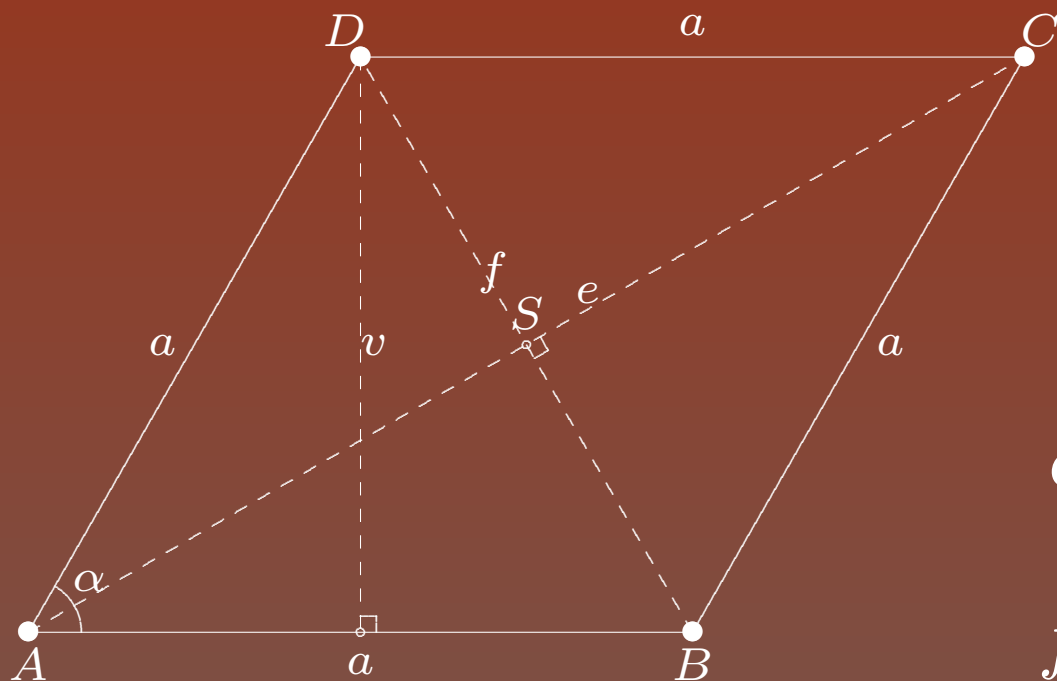
$$S = \frac{1}{2} \cdot e \cdot f \sin \phi$$

$$e^2 + f^2 = 2(a^2 + b^2)$$

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$$o = 2a + 2b$$

ROMB



$$e^2 = 2a^2(1 + \cos \alpha)$$

$$f^2 = 2a^2(1 - \cos \alpha)$$

$$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2$$

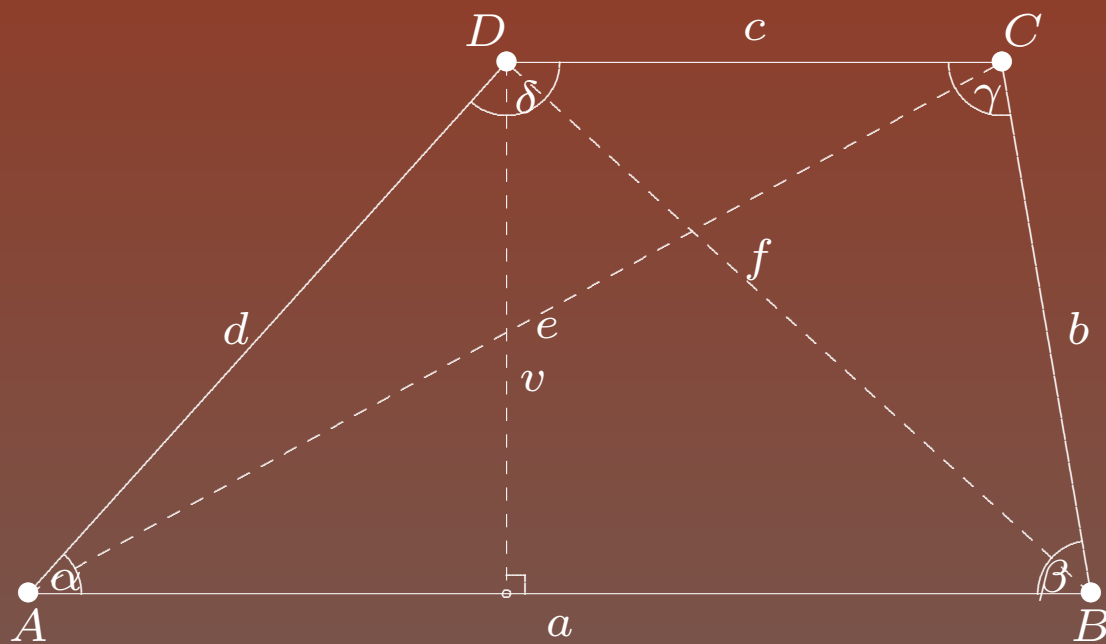
S...razpolovišče diagonal, $e \perp f$

$$S = a \cdot v_a = a^2 \sin \alpha$$

$$S = \frac{1}{2} \cdot e \cdot f$$

$$o = 4a$$

TRAPEZ

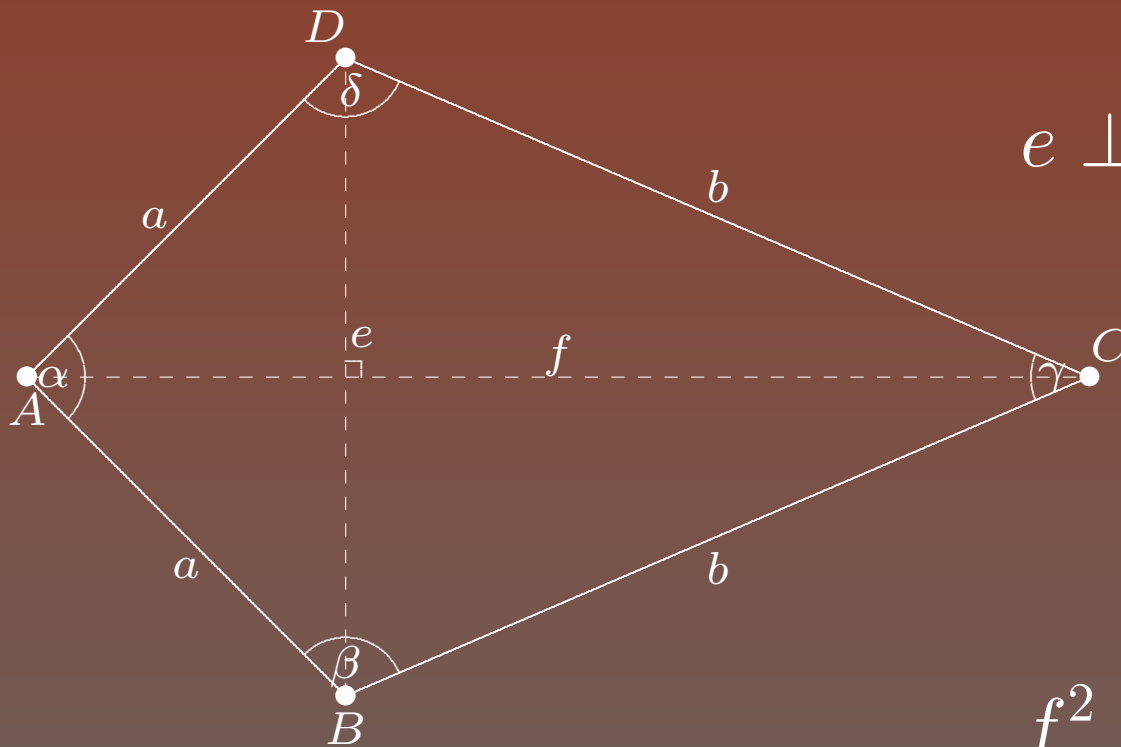


$$\alpha + \beta + \gamma + \delta = 360^\circ$$

$$S = \left(\frac{a + c}{2} \right) \cdot v$$

$$o = a + b + c + d$$

DELTOID



$$e \perp f, \quad \beta = \delta$$

$$S = \frac{e \cdot f}{2}$$

$$o = 2a + 2b$$

$$f^2 = a^2 + b^2 - 2ab \cos \beta$$