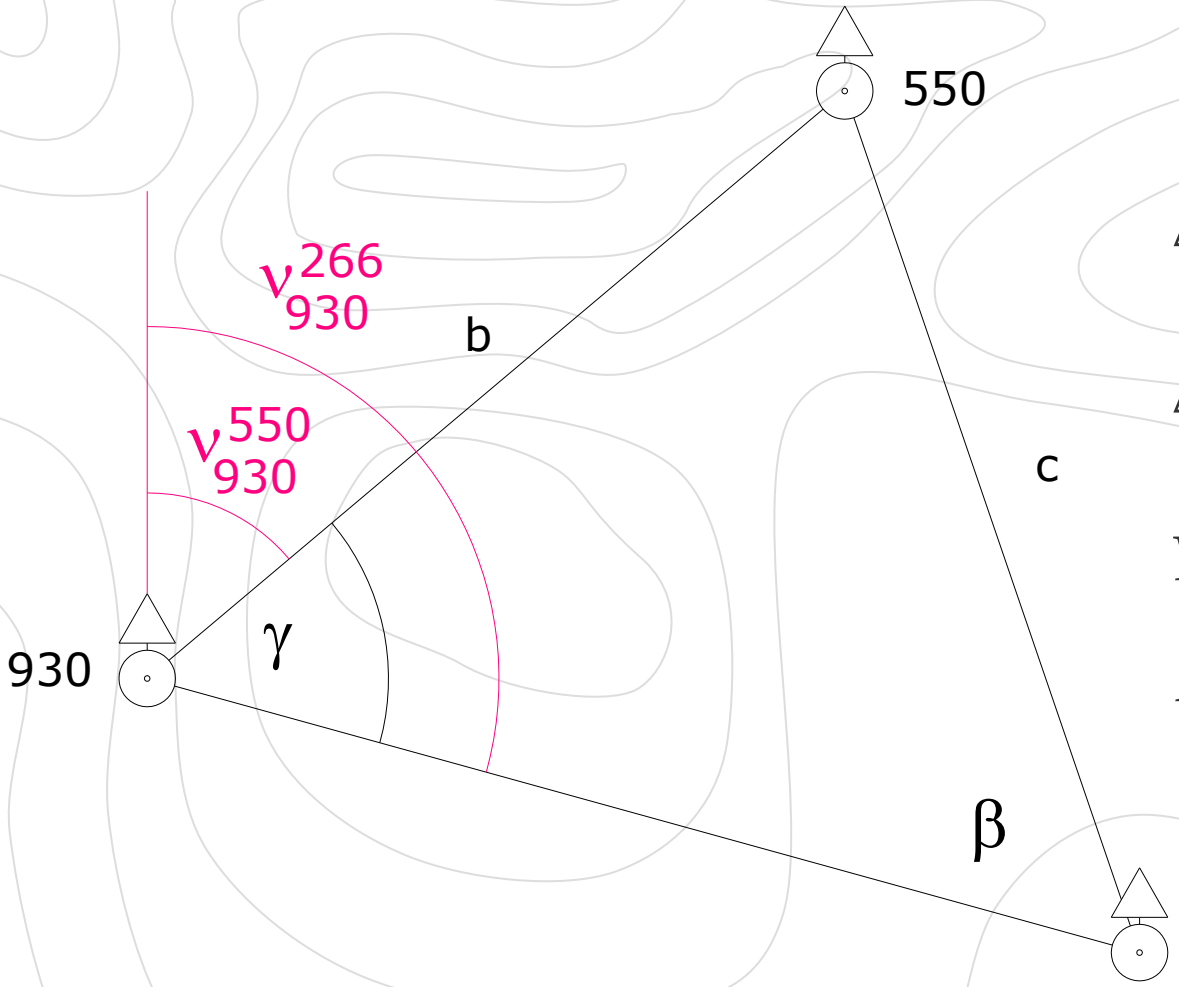
Računanje koordinata 550



$$\nu_{930}^{550} = \nu_{930}^{266} - \gamma$$

$$\Delta y_{930-550} = b \sin \nu_{930}^{550}$$

$$\Delta x_{930-550} = b \cos \nu_{930}^{550}$$

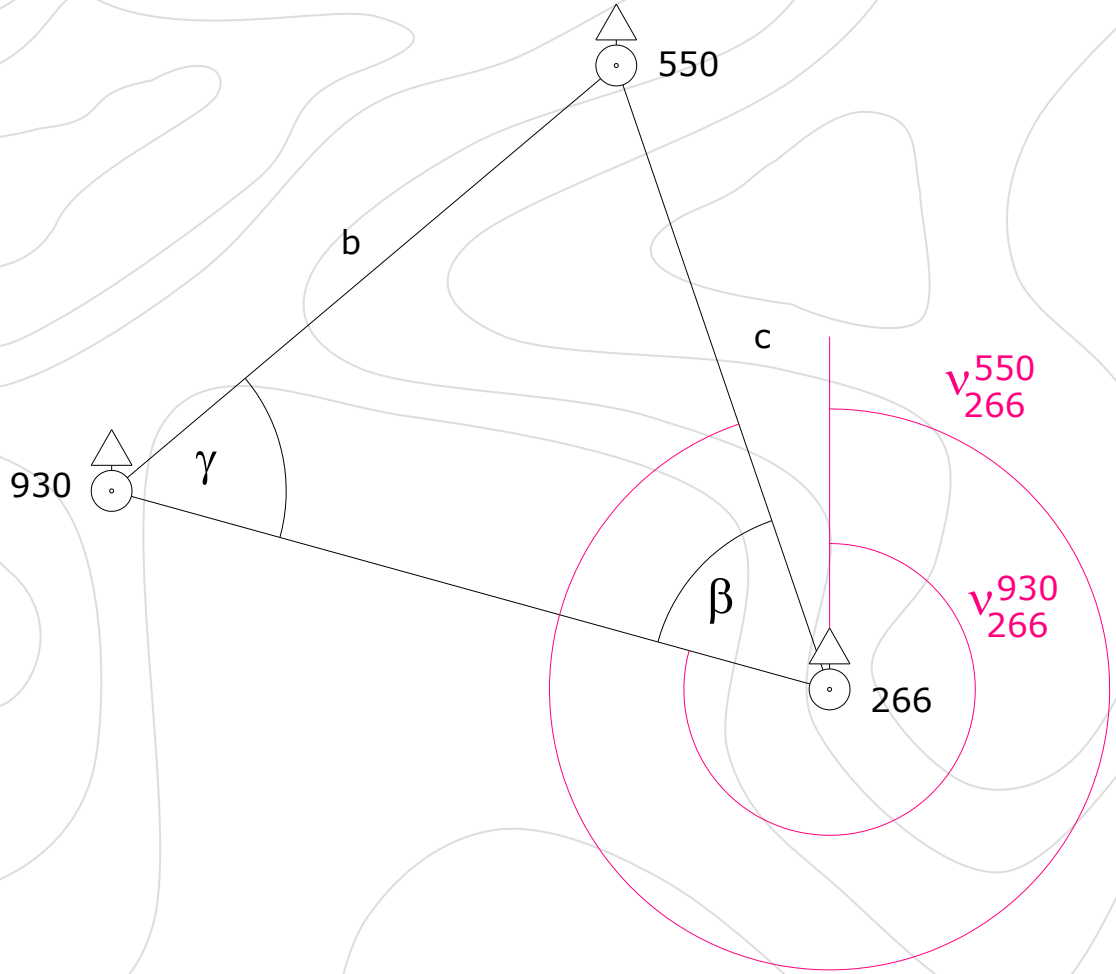
$$Y'_{550} = Y_{930} + \Delta y_{930-550}$$

$$X'_{550} = X_{930} + \Delta x_{930-550}$$

Kontrola računanja koordinata 550

$$\nu_{266}^{930} = \nu_{930}^{266} \pm 180$$

$$\nu_{266}^{550} = \nu_{266}^{930} + \beta$$



$$\Delta y_{266-550} = c \sin \nu_{266}^{550}$$

$$\Delta x_{266-550} = c \cos \nu_{266}^{550}$$

$$Y''_{550} = Y_{266} + \Delta y_{266-550}$$

$$X''_{550} = X_{266} + \Delta x_{266-550}$$

Ako je:

$$Y' - Y'' < \pm 0.03m$$

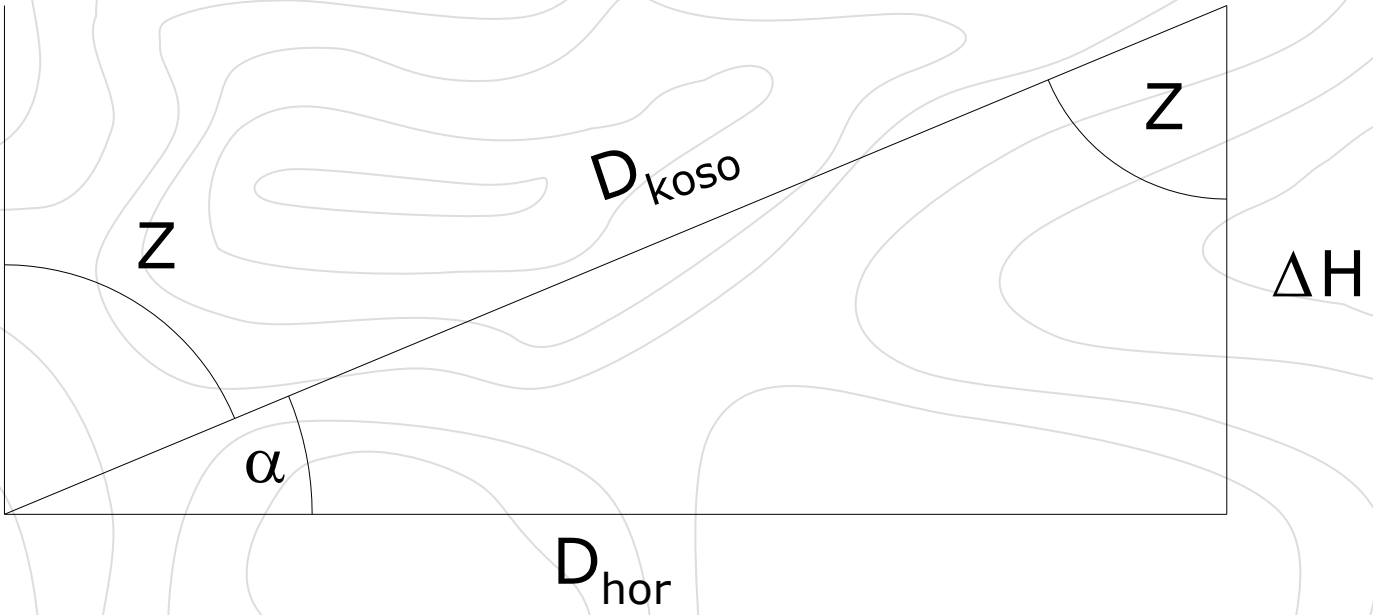
$$X' - X'' < \pm 0.03m$$

Onda za koordinate tačke 550 uzeti:

$$Y_{550} = \frac{Y' + Y''}{2}$$

$$X_{550} = \frac{X' + X''}{2}$$

Redukcija koso merenih dužina



$$D_{hor} = \sqrt{D_{koso}^2 - \Delta H^2}$$

$$D_{hor} = D_{koso} \sin Z$$

$$D_{hor} = D_{koso} \cos \alpha$$

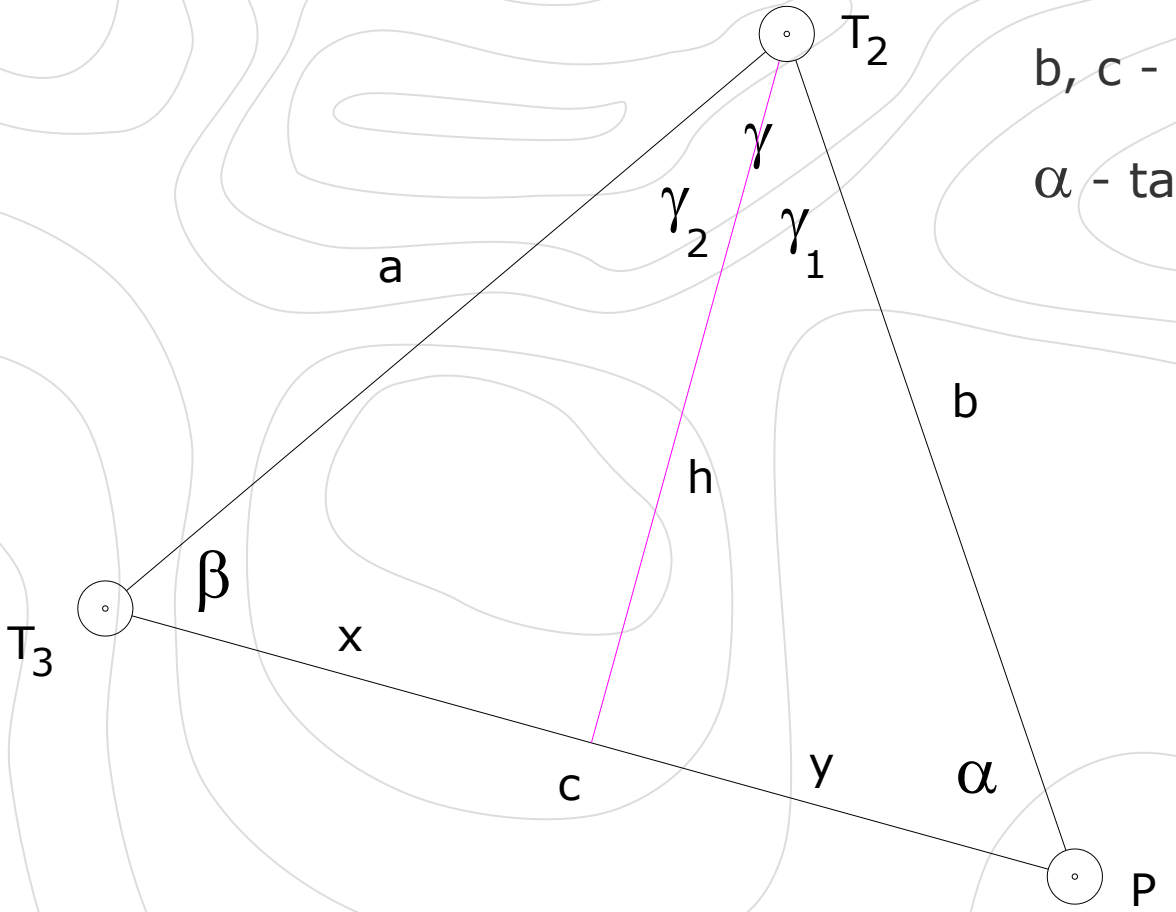
od	do	D_{koso}	ΔH	D_{hor}
550	T_1			
T_1	T_2			
...	...			

$$\Delta H_{T3-266} = H_{266} - H_{T3}$$

H_{266} – očitaj na top. Podlozi

H_{T3} – uzmi iz 5. zadatka

4. zadatak: Računanje nepoznate dužine i uglova

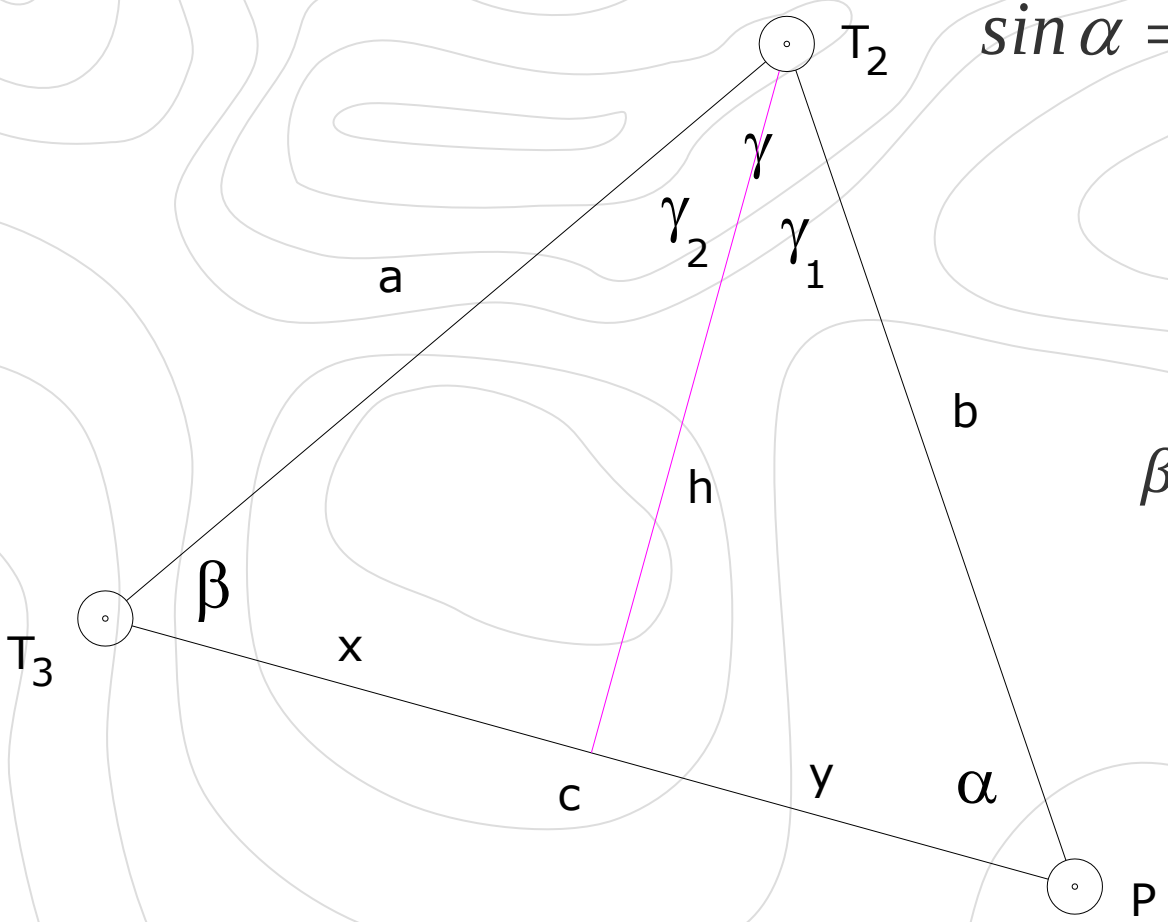


b, c - horizontalne dužine

α - tab. sa red. sredinama

Računanje nepoznate dužine i uglova

Uzimati horizontalne dužine



$$\sin\alpha = \frac{h}{b} \Rightarrow h = b * \sin\alpha$$

$$y = b * \cos\alpha$$

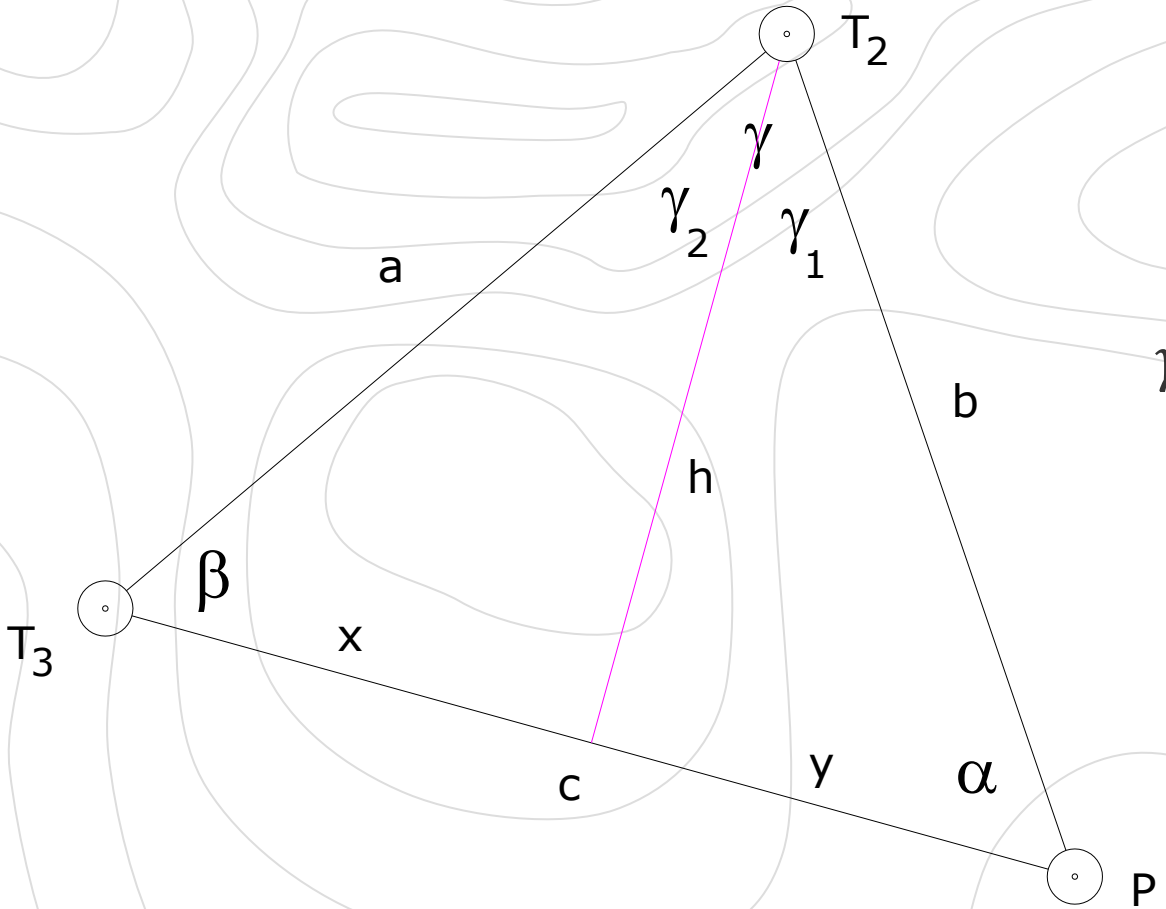
$$x = c - y$$

$$\beta = arctg\frac{h}{x}$$

$$\gamma = 180 - (\alpha + \beta)$$

$$a = \sqrt{x^2 + h^2}$$

Računanje nepoznate dužine i uglova



Kontrola

$$\gamma_2 = arctg\frac{h}{x}$$

$$\gamma_1 = 180 - 90 - \alpha$$

$$\gamma = \gamma_1 + \gamma_2$$