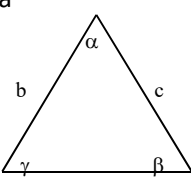
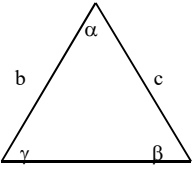
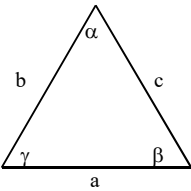
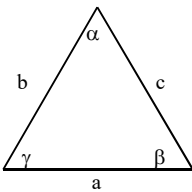
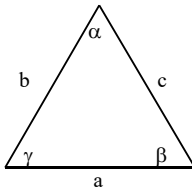
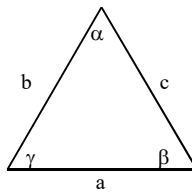


# Računanje trokuta iz dviju mjerenih duljina stranica i kuta između njih

Tangensov poučak

Trigonometrijski obrazac br. 14 - tan

Računanje trokuta iz dviju mjerenih duljina stranica i kuta između njih							
<p>Skica</p> 	<p>Mjerene veličine <math>\alpha, b, c</math></p> <p>Računate veličine <math>a, \beta, \gamma</math></p> <p>Kontrola <math>\alpha + \beta + \gamma = 180^\circ</math></p>	$\frac{(\beta + \gamma)}{2} = 90^\circ - \frac{\alpha}{2}$		$\beta = \frac{\beta + \gamma}{2} + \frac{\beta - \gamma}{2}$			
		$\tan \frac{(\beta - \gamma)}{2} = \frac{b - c}{b + c} \cot \frac{\alpha}{2}$		$\gamma = \frac{\beta + \gamma}{2} - \frac{\beta - \gamma}{2}$			
		$a^2 = b^2 + c^2 - 2bc \cos \alpha$		$* a = (b/\sin \beta) \sin \alpha$ $a = (c/\sin \gamma) \sin \alpha$			
AS	+/-	o	i	"			ASlaviček
	$\alpha$				b		$\alpha/2$
	$\beta$				c	B	$\cot(\alpha/2)$
	$\gamma$				a		$b-c$
	$\Sigma$						$b+c$
	$(\beta+\gamma)/2$				Kontrola*	A	$(b-c)/(b+c)$
	$(\beta-\gamma)/2$				a		$\arctan(A * B)$
	$\alpha$				b		$\alpha/2$
	$\beta$				c	B	$\cot(\alpha/2)$
	$\gamma$				a		$b-c$
	$\Sigma$						$b+c$
	$(\beta+\gamma)/2$				Kontrola	A	$(b-c)/(b+c)$
	$(\beta-\gamma)/2$				a		$\arctan(A * B)$
	$\alpha$				b		$\alpha/2$
	$\beta$				c	B	$\cot(\alpha/2)$
	$\gamma$				a		$b-c$
	$\Sigma$						$b+c$
	$(\beta+\gamma)/2$				Kontrola	A	$(b-c)/(b+c)$
	$(\beta-\gamma)/2$				a		$\arctan(A * B)$
	$\alpha$				b		$\alpha/2$
	$\beta$				c	B	$\cot(\alpha/2)$
	$\gamma$				a		$b-c$
	$\Sigma$						$b+c$
	$(\beta+\gamma)/2$				Kontrola	A	$(b-c)/(b+c)$
	$(\beta-\gamma)/2$				a		$\arctan(A * B)$
	$\alpha$				b		$\alpha/2$
	$\beta$				c	B	$\cot(\alpha/2)$
	$\gamma$				a		$b-c$
	$\Sigma$						$b+c$
	$(\beta+\gamma)/2$				Kontrola	A	$(b-c)/(b+c)$
	$(\beta-\gamma)/2$				a		$\arctan(A * B)$

Napomena: predznak vrijednosti  $1/2(\beta-\gamma)$  bit će (+) ako je  $b > c$ , a (-) ako je  $b < c$ .

Armando Slaviček