

Prosto stojisce - transformacija (dve točki)							
$x = ax' - by' + c$							
$y = ay' + bx' + d$		geod. k.s.					
Končni koord. sistem (II)							
		x y					
Točka	P2	340,630	236,646				
	P3	307,808	264,215				
Izhodiščni koord. sistem (I)				Transformirane koordinate		Odstopanja	
		x' y'		Au		v = Au - b	
				xt yt		Dx Dy	
Točka	P2	28,668	32,657	340,630	236,646	0,000	0,000
	P3	21,610	-9,616	307,808	264,215	0,000	0,000
	N	0,000	0,000	327,076	277,939		
						RMS	0,000
						Sigma0	0,000
$Au = b + v$							
matrika koef. A				vektor odstopanj b			
		a b		c d		x & y	
Točka							
	P2	1	28,668	-32,657	1	0	340,630
		2	32,657	28,668	0	1	236,646
	P3	1	21,61	9,616	1	0	307,808
		2	-9,616	21,610	0	1	264,215
Transponirana matr. B							
		28,668 32,657		21,610 -9,616			
At		-32,657 28,668		9,616 21,610			
		1 0		1 0			
		0 1		0 1			
N= AtA							
		2447,79 0,00		50,28 23,04		Atb	
		0,00 2447,79		-23,04 50,28		21604,3687	
		50,28 -23,04		2,00 0,00		4329,781496	
		23,04 50,28		0,00 2,00		648,438	
						500,861	
Inv AtA							
		1,09E-03 9,07E-20		-2,74E-02 -1,25E-02		Neznanke	
		-9,07E-20 1,09E-03		1,25E-02 -2,74E-02		a = -0,508360	
		-2,74E-02 1,25E-02		1,33E+00 9,86E-17		b = -0,861306	
		-1,25E-02 -2,74E-02		-9,86E-17 1,33E+00		c = 327,076	
						d = 277,939	
						m=sqrt(a*a+b*b)	Merilo
						q=atan(b/a)	Kot (°)
							1,00013924
							59,45
							239,4500612
							239:27:00