

Prosto sojišče - transformacija (3 točke)									
$x = ax' - by' + c$									
$y = ay' + bx' + d$		geod. k.s.							
Končni koord. sistem (II)									
		x		y					
Točka	P2	340,630	236,646						
	P3	307,808	264,215						
	P1	315,988	211,107						
				Transformirane koordinate				Odstopanja	
Izhodiščni koord. sistem (I)				Au				$v = Au - b$	
		x'		y'		xt		yt	
Točka	P2	28,668	32,657	340,634	236,656			Dx	Dy
	P3	21,610	-9,616	307,812	264,209			-0,004	-0,010
	P1	63,206	24,403	315,980	211,103			-0,004	0,006
	N	0,000	0,000	327,071	277,936			0,008	0,004
								RMS	0,009
$Au = b + v$								Sigma0	0,011
matrika koef. A								vektor odstopanj b	
		a		b		c		d	
Točka								x & y	
	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		
	P1	1	63,206	-24,403	1	0	315,988		
		2	24,403	63,206	0	1	211,107		
Transponirana matr. B		28,668	32,657	21,610	-9,616	63,206	24,403		
At		-32,657	28,668	9,616	21,610	-24,403	63,206		
		1	0	1	0	1	0		
		0	1	0	1	0	1		
N= AtA		7038,30	0,00	113,48	47,44			Atb	46728,35
		0,00	7038,30	-47,44	113,48				9961,9554
		113,48	-47,44	3,00	0,00				964,426
		47,44	113,48	0,00	3,00				711,968
Inv AtA		5,01E-04	-9,46E-20	-1,90E-02	-7,93E-03			Neznanke	a = -0,507987
		6,31E-20	5,01E-04	7,93E-03	-1,90E-02			u	b = -0,861251
		-1,90E-02	7,93E-03	1,18E+00	0,00E+00				c = 327,071
		-7,93E-03	-1,90E-02	3,07E-16	1,18E+00				d = 277,936
						m=sqrt(a*a+b*b)		Merilo	0,99990226
						q=atan(b/a)		Kot (°)	59,47
									239,466834
									239:28:01