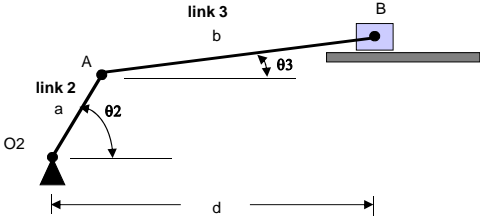


Slider Crank

a=	7	Link 2
b=	25	Link 3
c=	10	Offset
$\theta_2 =$	330	5.759586532
$\dot{\theta}_2 =$	100	$\frac{1}{s}$
$\ddot{\theta}_2 =$	18	$\frac{1}{s^2}$
By=	10.00	10.00
Bx=	27.10	-14.98
$\theta_3 =$	32.7	147.3
$\dot{\theta}_3 =$	-28.81	28.81
$\ddot{\theta}_3 =$	-1136.01	1136.01
vB=	738.94	-38.94
aB=	-62687.97	-58429.59



	x comp	y comp	mag	angle	e <sub>r</sub>		e <sub>θ</sub>	
					i	j	i	j
rB=	27.10	10.00	28.89	20.3	0.938	0.346	-0.346	0.938
rA=	6.06	-3.50	7.00	-30.0	0.866	-0.500	0.500	0.866
rBA=	21.04	13.50	25.00	32.7	0.842	0.540	-0.540	0.842
vB	738.94	0.00	738.94	0.0	1.000	0.000	0.000	1.000
vA	350.00	606.22	700.00	60.0	0.500	0.866	-0.866	0.500
vBA	388.94	-606.22	720.26	-57.3	0.540	-0.842	0.842	-0.540
aB	-62687.97	0.00	62687.97	180.0	-1.000	0.000	0.000	-1.000
aA	-60558.78	35109.12	70000.11	149.9	-0.865	0.502	-0.502	-0.865
aBA	-2129.19	-35109.12	35173.62	-93.5	-0.061	-0.998	0.998	-0.061
alt	x comp	y comp	mag	angle	i	j	i	j
rB=	-14.98	10.00	18.01	146.3	-0.832	0.555	-0.555	-0.832
rA=	6.06	-3.50	7.00	-30.0	0.866	-0.500	0.500	0.866
rBA=	-21.04	13.50	25.00	147.3	-0.842	0.540	-0.540	-0.842
vB	-38.94	0.00	38.94	180.0	-1.000	0.000	0.000	-1.000
vA	350.00	606.22	700.00	60.0	0.500	0.866	-0.866	0.500
vBA	-388.94	-606.22	720.26	-122.7	-0.540	-0.842	0.842	-0.540
aB	-58429.59	0.00	58429.59	180.0	-1.000	0.000	0.000	-1.000
aA	-60558.78	35109.12	70000.11	149.9	-0.865	0.502	-0.502	-0.865
aBA	2129.19	-35109.12	35173.62	-86.5	0.061	-0.998	0.998	0.061