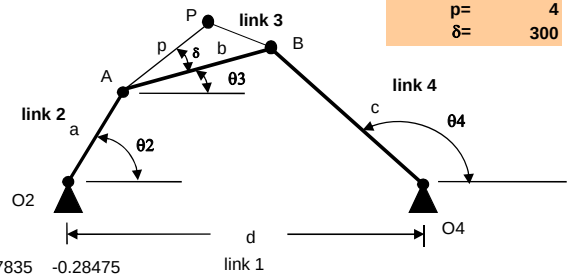
4-Bar Linkage

a=	**8**	Link 2
b=	**8**	Link 3
c=	**9**	Link 4
d=	**6**	Link 1
$\theta_2 =$	**25**	0.436332313
$\dot{\theta}_2 =$	**100**	$\frac{1}{s}$
$\ddot{\theta}_2 =$	**18**	$\frac{1}{s^2}$

By=	**6.67**	**1.13**
Bx=	**-0.04**	**14.93**
$\theta_3 =$	**155.7**	**-16.3**
$\theta_4 =$	**132.2**	**7.2**
$\dot{\theta}_3 =$	**2.3912E+02**	**7.6357E+01**
$\dot{\theta}_4 =$	**1.6861E+02**	**1.4687E+02**
$\ddot{\theta}_3 =$	**-4.3709E+04**	**-2.3510E+04**
$\ddot{\theta}_4 =$	**-4.7436E+04**	**-1.9783E+04**

K1=	1.7993E+01
K2=	-2.7038E+00
K3=	7.8041E+00
K4=	7.5617E+00



p=	**4**
δ=	**300**

2.717835	-0.28475	
2.306794	0.126293	

	x comp	y comp	mag	angle	i	j
r04=	**6.00**	**0.00**	**6.000**	**0.0**	**1.000**	**0.000**
rA=	**7.25**	**3.38**	**8.000**	**25.0**	**0.906**	**0.423**
rBA=	-7.29	3.29	8.000	155.7	-0.912	0.411
rBO4=	-6.04	6.67	9.000	132.2	-0.671	0.741
rB=	**-0.04**	**6.67**	**6.671**	**90.4**	**-0.006**	**1.000**
rPA=	-0.40	3.98	4.000	95.7	-0.100	0.995
rP=	**6.85**	**7.36**	**10.056**	**47.1**	**0.681**	**0.732**
vA=	**-338.09**	**725.05**	**800.000**	**115.0**	**-0.423**	**0.906**
vBA=	-786.58	-1743.75	1912.955	-114.3	-0.411	-0.912
vB=	**-1124.68**	**-1018.71**	**1517.455**	**-137.8**	**-0.741**	**-0.671**
vPA=	-951.71	-95.34	956.477	-174.3	-0.995	-0.100
vP=	**-1289.81**	**629.71**	**1435.319**	**154.0**	**-0.899**	**0.439**
aA=	**-72565.48**	**-33678.95**	**80000.130**	**-155.1**	**-0.907**	**-0.421**
aBA	560747.62	130658.37	575768.622	13.1	0.974	0.227
aB	**488182.14**	**96979.42**	**497721.620**	**11.2**	**0.981**	**0.195**
aPA=	196763.64	-210146.25	287884.311	-46.9	0.683	-0.730
aP=	**124198.16**	**-243825.20**	**273634.633**	**-63.0**	**0.454**	**-0.891**

ALT	x comp	y comp	mag	angle	i	j
rO4=	**6.00**	**0.00**	**6.000**	**0.0**	**1.000**	**0.000**
rA=	**7.25**	**3.38**	**8.000**	**25.0**	**0.906**	**0.423**
rBA=	7.68	-2.25	8.000	-16.3	0.960	-0.281
rBO4=	8.93	1.13	9.000	7.2	0.992	0.126
rB=	**14.93**	**1.13**	**14.971**	**4.3**	**0.997**	**0.076**
rPA=	0.95	-3.89	4.000	-76.3	0.237	-0.972
rP=	**8.20**	**-0.51**	**8.212**	**-3.5**	**0.998**	**-0.062**
vA=	**-338.09**	**725.05**	**800.000**	**115.0**	**-0.423**	**0.906**
vBA=	171.60	586.26	610.858	73.7	0.281	0.960
vB=	**-166.49**	**1311.31**	**1321.834**	**97.2**	**-0.126**	**0.992**
vPA=	296.76	72.26	305.429	13.7	0.972	0.237
vP=	**-41.34**	**797.31**	**798.377**	**93.0**	**-0.052**	**0.999**
aA=	**-72565.48**	**-33678.95**	**80000.130**	**-155.1**	**FALSE**	**-0.421**
aBA	-97600.12	-167404.34	193778.210	-120.2	-0.504	-0.864
aB	**-170165.60**	**-201083.29**	**263421.373**	**-130.2**	**-0.646**	**-0.763**
aPA=	-96888.23	411.01	96889.105	179.8	-1.000	0.004
aP=	**-169453.71**	**-33267.95**	**172688.497**	**-168.9**	**-0.981**	**-0.193**