

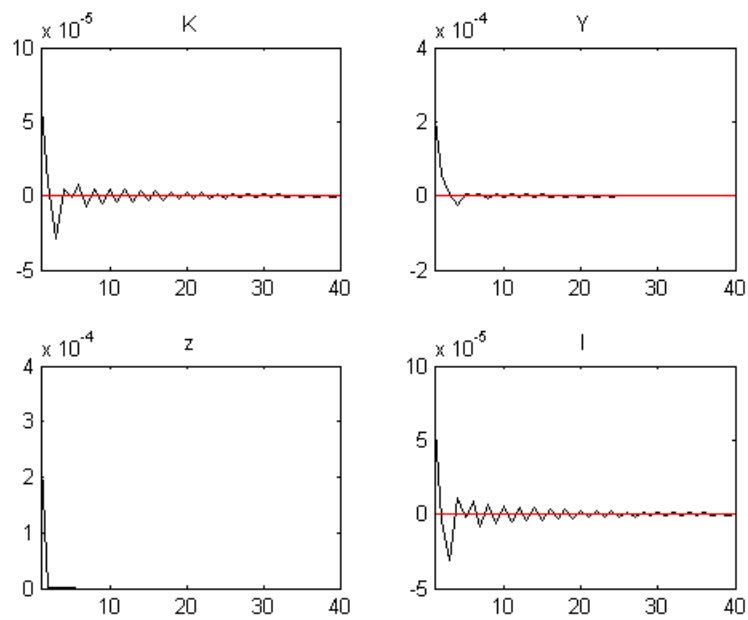
Econ 581 Homework 6

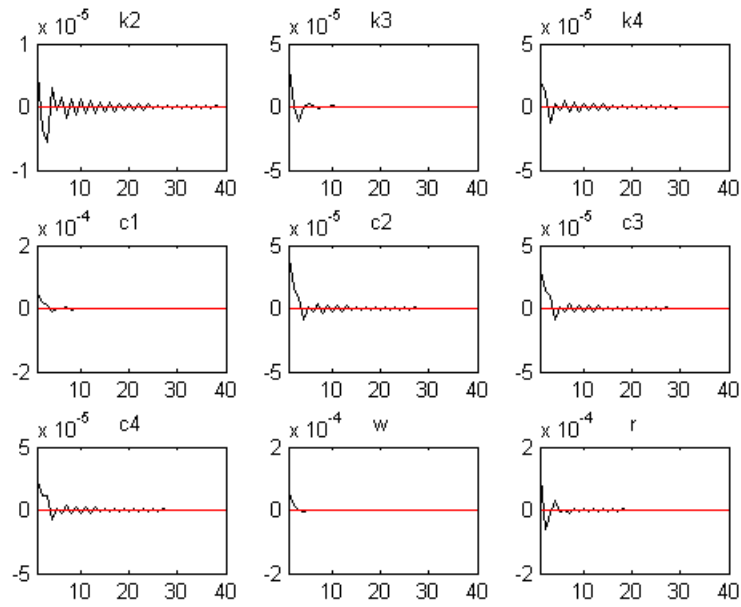
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Exercise 1

Paths





SS Results

$$k2 = 0.117727$$

$$k3 = 0.278812$$

$$k4 = 0.178062$$

$$c1 = 0.285387$$

$$c2 = 0.247752$$

$$c3 = 0.215081$$

$$c4 = 0.186718$$

$$w = 0.403114$$

$$r = 0.84996$$

$$K = 0.574602$$

$$Y = 1.39539$$

$$z = 0$$

$$I = 0.460458$$

Model Summary

Number of variables: 13

Number of stochastic shocks: 1

Number of state variables: 5

Number of jumpers: 1

Number of static variables: 7

Simulated variables moments :

<i>Variable</i>	<i>Mean</i>	<i>Std.Dev.</i>	<i>Variance</i>	<i>Skewness</i>	<i>Kurtosis</i>
<i>k2</i>	0.117727	0.000012	0.000000	0.007672	-0.343016
<i>k3</i>	0.278810	0.000039	0.000000	0.130038	0.379393
<i>k4</i>	0.178061	0.000033	0.000000	-0.108399	0.525654
<i>c1</i>	0.285381	0.000069	0.000000	0.182404	-0.173503
<i>c2</i>	0.247747	0.000056	0.000000	0.193003	-0.144669
<i>c3</i>	0.215077	0.000046	0.000000	0.198076	-0.056893
<i>c4</i>	0.186714	0.000038	0.000000	0.195721	0.093621
<i>w</i>	0.403108	0.000071	0.000000	0.158804	-0.117236
<i>r</i>	0.849954	0.000144	0.000000	0.214612	0.232132
<i>K</i>	0.574598	0.000076	0.000000	-0.077032	0.193026
<i>Y</i>	1.395374	0.000247	0.000000	0.158804	-0.117236
<i>z</i>	-0.000018	0.000250	0.000000	0.160410	0.097716
<i>I</i>	0.460455	0.000077	0.000000	-0.063740	-0.021642

Autocorrelation

<i>Variable</i>	1	2	3	4	5
<i>k2</i>	-0.3577	-0.0369	-0.3528	0.3249	-0.1989
<i>k3</i>	0.1019	-0.3399	-0.2431	0.0505	0.0760
<i>k4</i>	-0.1877	0.1035	-0.5023	0.3156	-0.2306
<i>c1</i>	0.1447	0.1063	-0.4419	0.1145	-0.1244
<i>c2</i>	0.0834	0.1933	-0.4904	0.1687	-0.1871
<i>c3</i>	0.0026	0.2903	-0.5459	0.2360	-0.2608
<i>c4</i>	-0.0969	0.3905	-0.6054	0.3147	-0.3418
<i>w</i>	0.1826	-0.0020	-0.3614	0.0558	-0.0560
<i>r</i>	-0.2841	-0.1188	-0.0234	0.1124	-0.1111
<i>K</i>	0.0403	-0.2700	-0.2800	0.0948	0.0278
<i>Y</i>	0.1826	-0.0020	-0.3614	0.0558	-0.0560
<i>z</i>	0.0302	-0.0052	-0.2463	0.0712	-0.0890
<i>I</i>	-0.0987	-0.2278	-0.2505	0.1467	-0.0284