

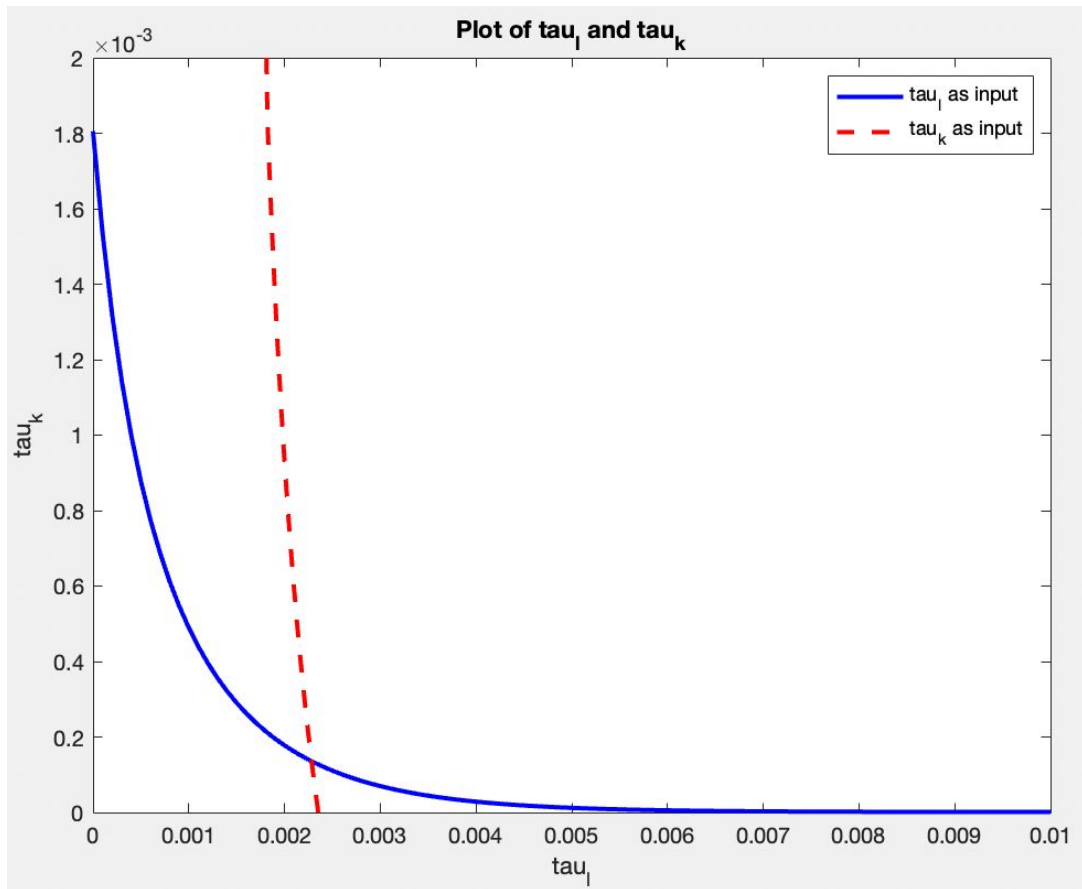
# Network Simulation

Econ Research Project

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**K=100:**

**(tau\_l,tau\_k)=(0.0023,0.0001)**



**Indifference fondition for core( $\tau_l$  as input):**

$\tau_l = 0:0.0001:0.01;$

$\tau_k =$

0.0018	0.0015	0.0013	0.0011	0.0010	0.0009
0.0008	0.0007	0.0006	0.0005	0.0005	0.0004
0.0004	0.0004	0.0003	0.0003	0.0003	0.0002
0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0001	0.0001	0.0001	0.0001	0.0000	...

**Indifference fondition for peripheral( $\tau_k$  as input):**

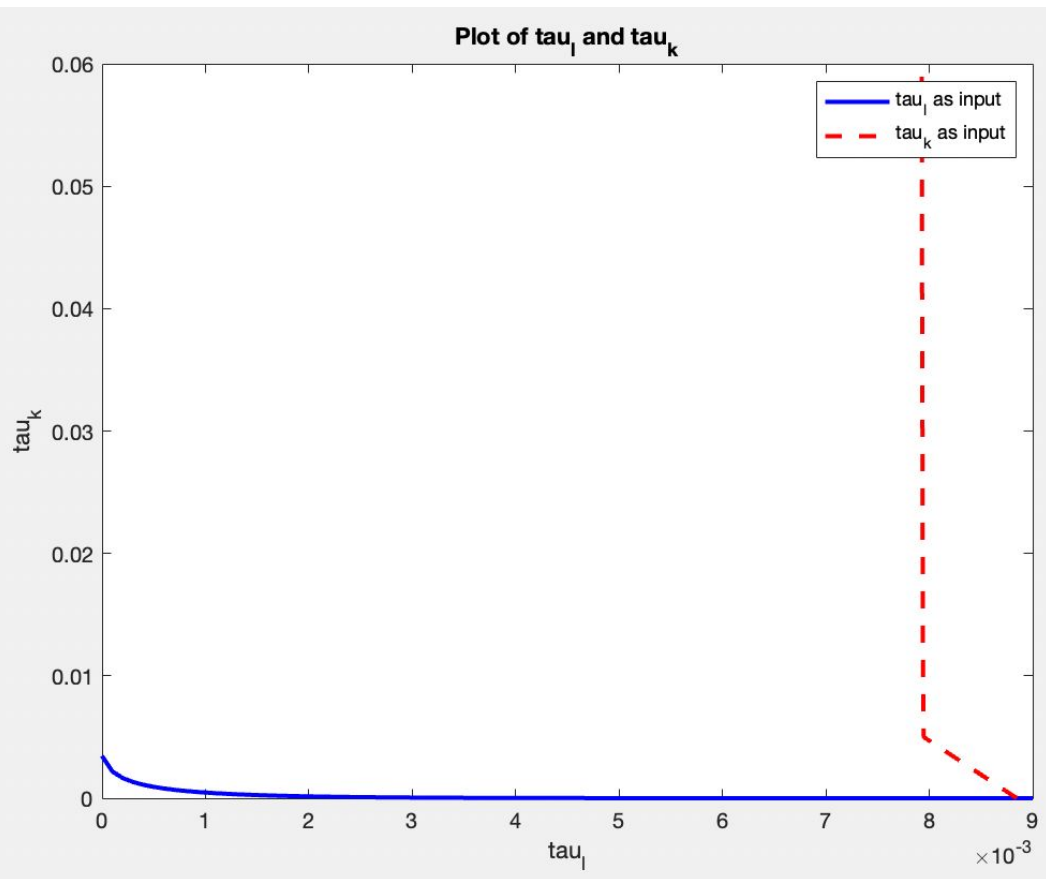
$\tau_k = 0:0.0001:0.002;$

$\tau_l =$

0.0024	0.0023	0.0023	0.0022	0.0022	0.0021
0.0021	0.0021	0.0020	0.0020	0.0020	0.0020
0.0019	0.0019	0.0019	0.0019	0.0019	0.0018
0.0018	0.0018	...			

**K=10:**

**(tau\_l,tau\_k)=(0.0088,0)**



**Indifference fondition for core( $\tau_l$  as input):**

$\tau_l = 0:0.0001:0.009$

$\tau_k =$

0.0035	0.0022	0.0016	0.0013	0.0011
0.0009	0.0008	0.0007	0.0006	0.0005
0.0005	0.0004	0.0004	0.0003	0.0003
0.0003	0.0002	0.0002	0.0002	0.0002
0.0001	0.0001	0.0001	0.0001	0.0001
0.0001	0.0001	0.0001	0.0001	0.0001
0.0001	0.0000	...		

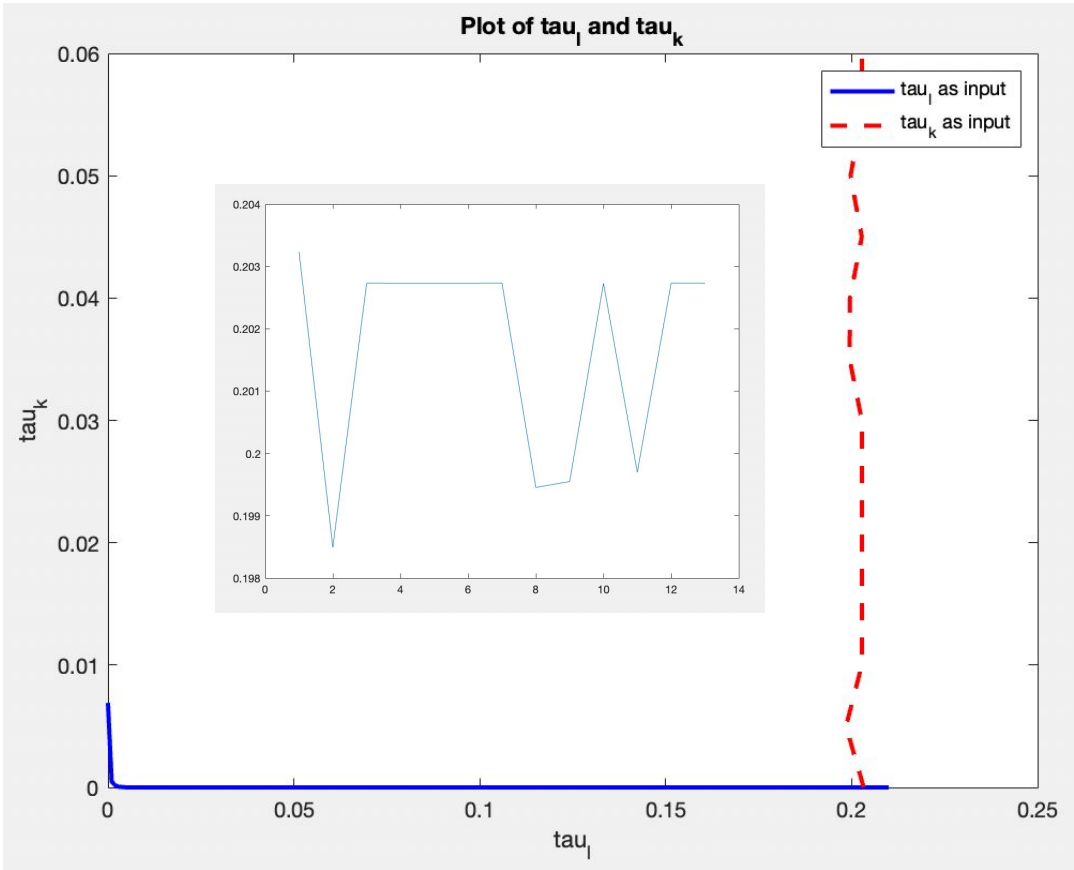
**Indifference fondition for peripheral( $\tau_k$  as input):**

$\tau_k = 0:0.005:0.06;$

$\tau_l =$

0.0088	0.0079	0.0079	0.0079	...
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K=1:  
(tau\_l,tau\_k)=(0.2032,0)



Indifference fondition for core( $\tau_l$  as input):

$\tau_l = 0:0.001:0.21;$

$\tau_k =$

0.0069	0.0005	0.0001	0.0001	0.0000	0.0000...
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Indifference fondition for peripheral( $\tau_k$  as input):

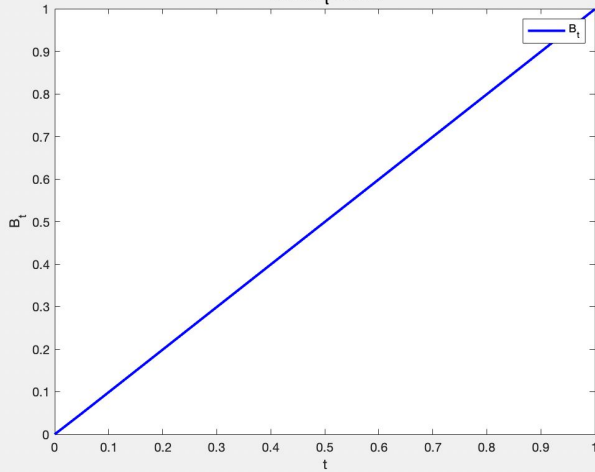
$\tau_k = 0:0.005:0.06;$

$\tau_l =$

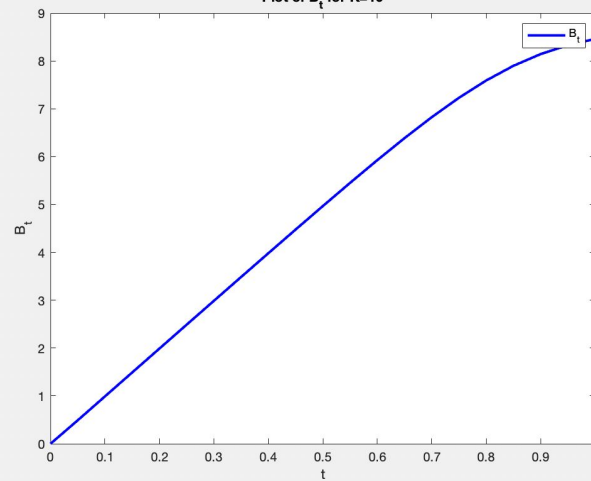
0.2032	0.1985	0.2027	0.2027	0.2027	0.2027
0.2027	0.1995	0.1995	0.2027	0.1997	0.2027
0.2027	...				

# Graph of $B_t$ : $K=1, 10, 100$

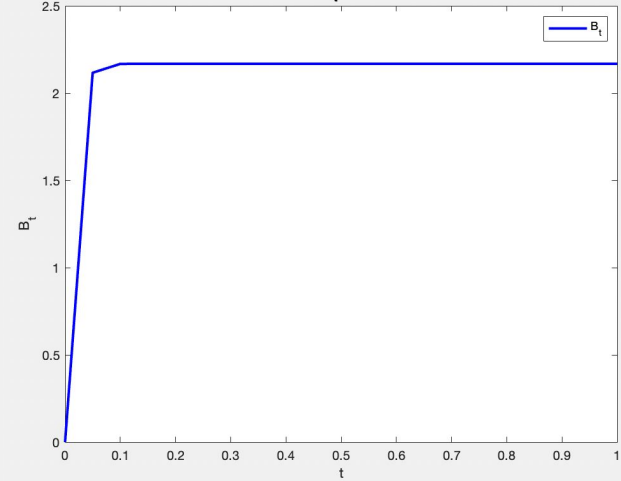
Plot of  $B_t$  for  $K=1$



Plot of  $B_t$  for  $K=10$



Plot of  $B_t$  for  $K=100$



# Graph Welfare

- $K=1, 10, 100$

