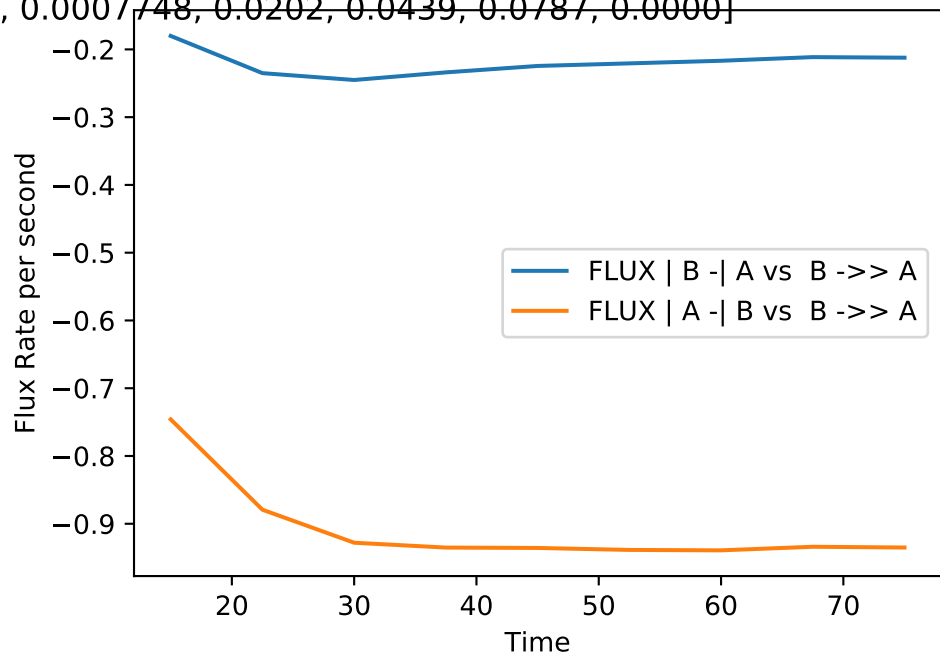
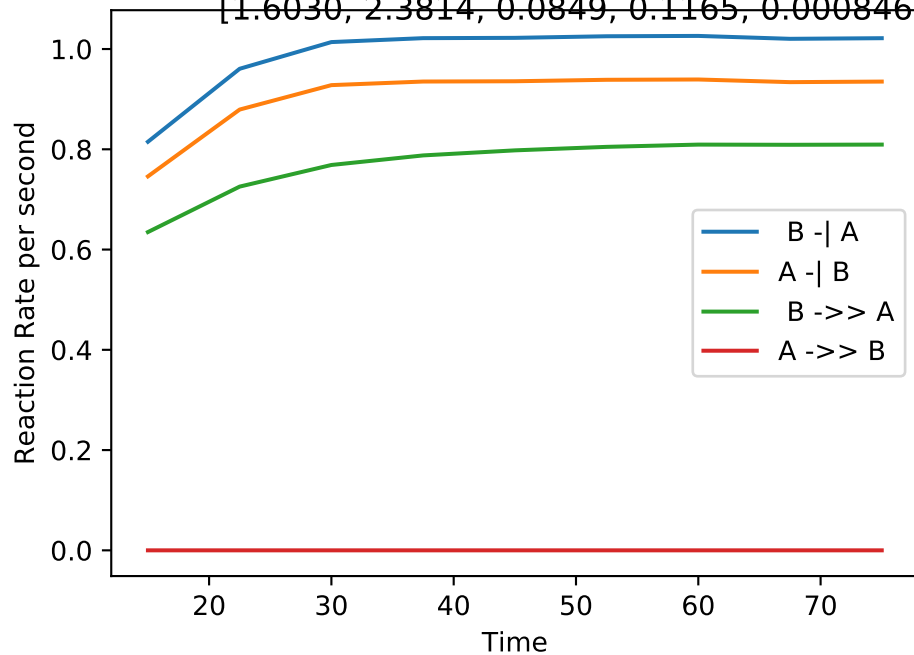


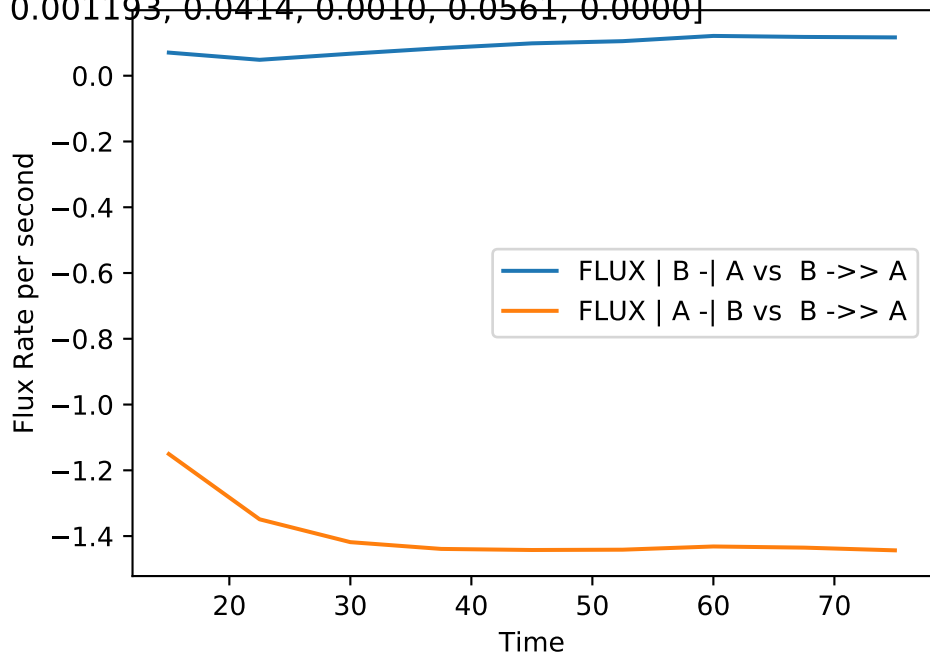
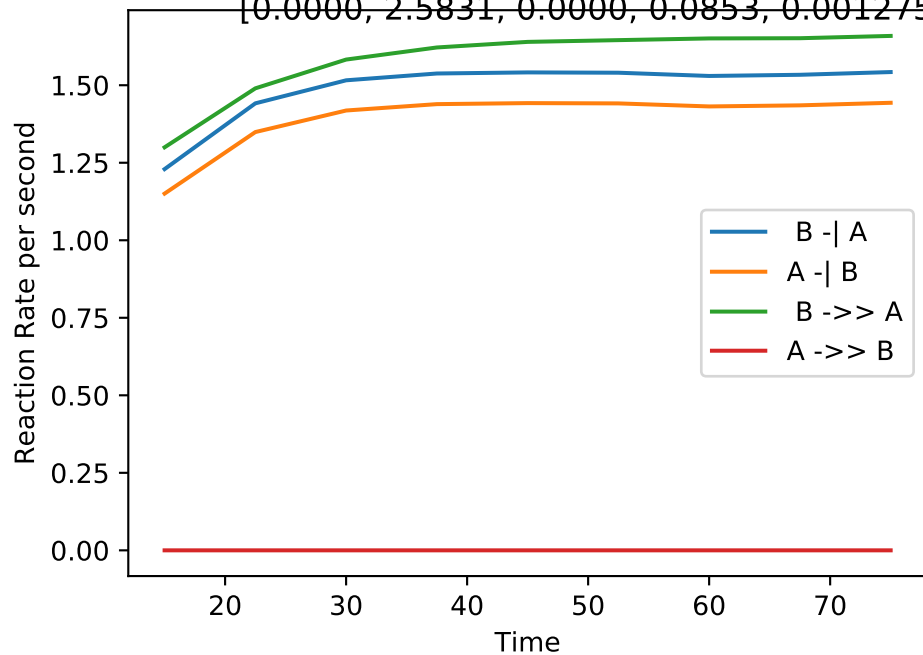
Single_up | MB-LLS Single_up(#0):

[1.6030, 2.3814, 0.0849, 0.1165, 0.0008465, 0.0007748, 0.0202, 0.0439, 0.0787, 0.0000]



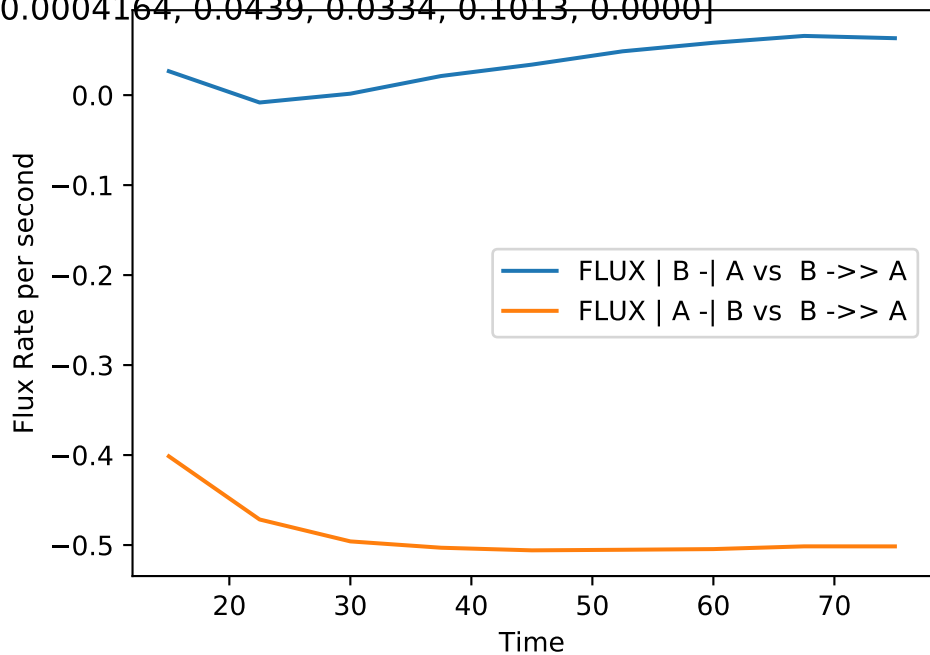
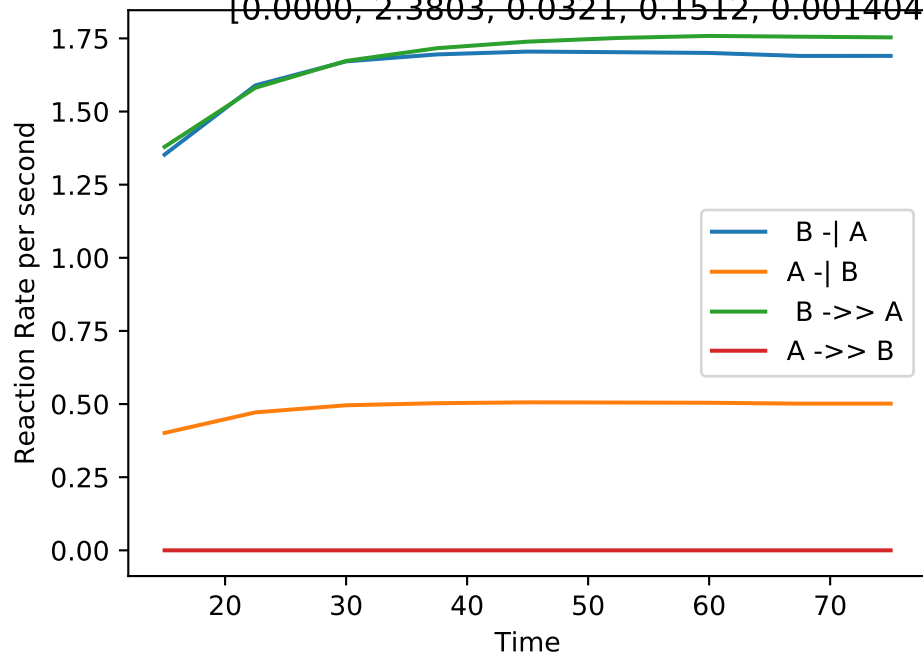
Single_up | MB-LLS Single_up(#1):

[0.0000, 2.5831, 0.0000, 0.0853, 0.001275, 0.001193, 0.0414, 0.0010, 0.0561, 0.0000]



Single_up | MB-LLS Single_up(#2):

[0.0000, 2.3803, 0.0321, 0.1512, 0.001404, 0.0004164, 0.0439, 0.0334, 0.1013, 0.0000]



Single_up | MB-LLS Single_up(#3):

[0.0000, 2.5390, 0.0091, 0.0838, 0.00167, 0.001195, 0.0519, 0.0127, 0.0559, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time

B -| A
A -| B
B ->> A
A ->> B

Flux Rate per second

0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
-1.4

20

30

40

50

60

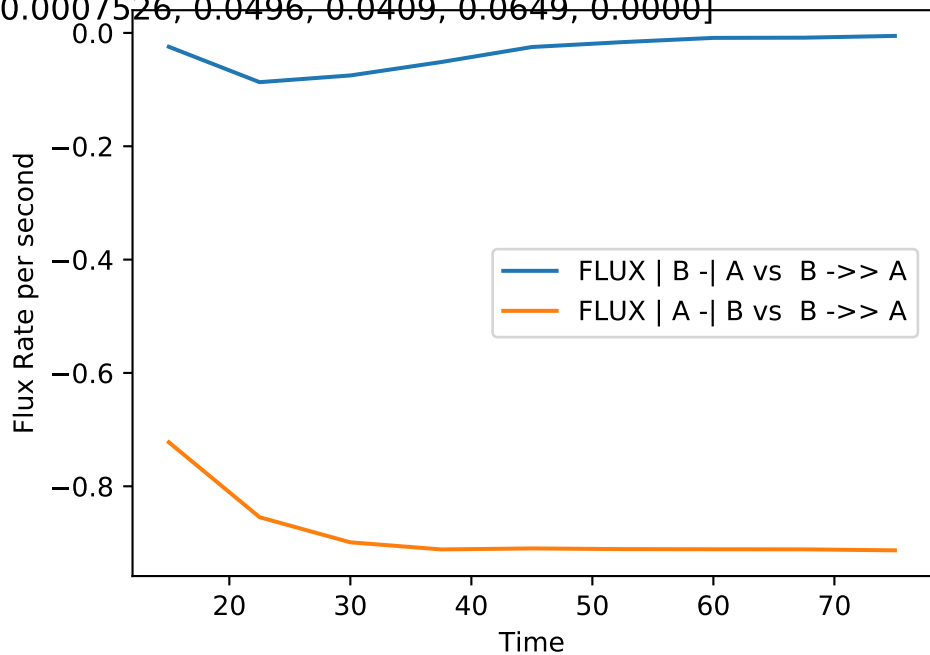
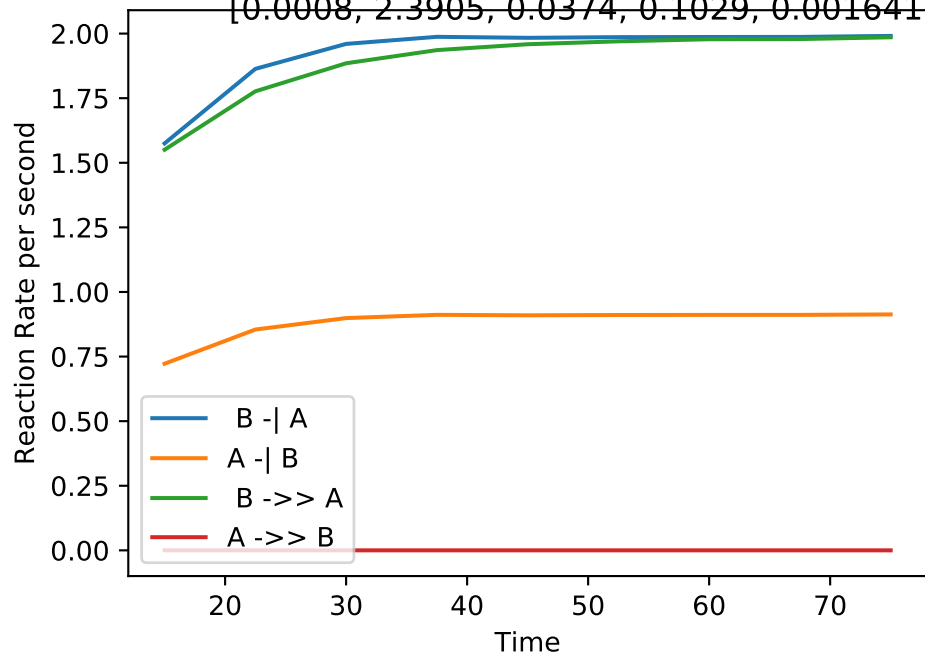
70

Time

FLUX | B -| A vs B ->> A
FLUX | A -| B vs B ->> A

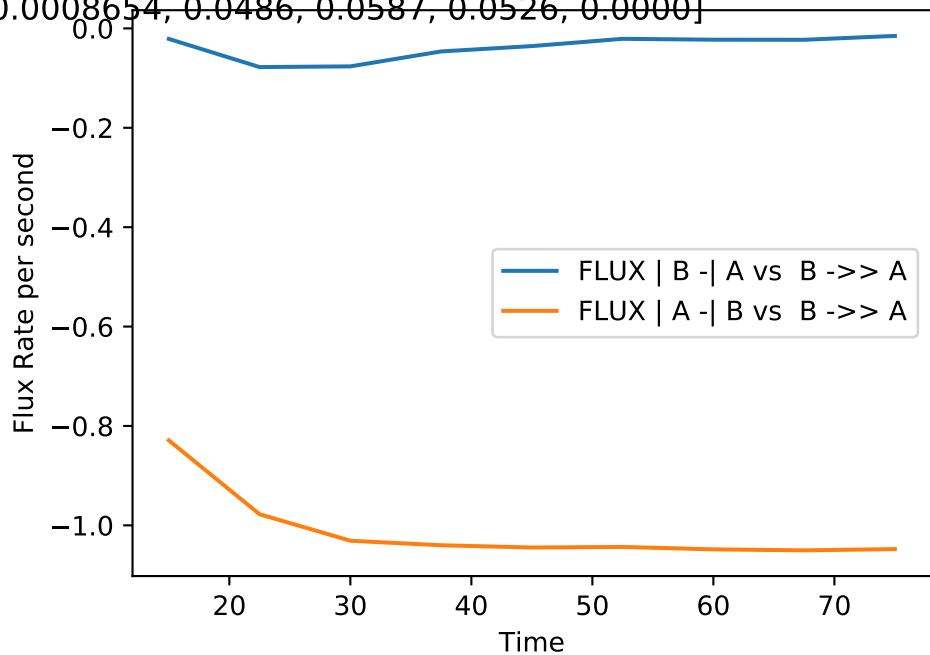
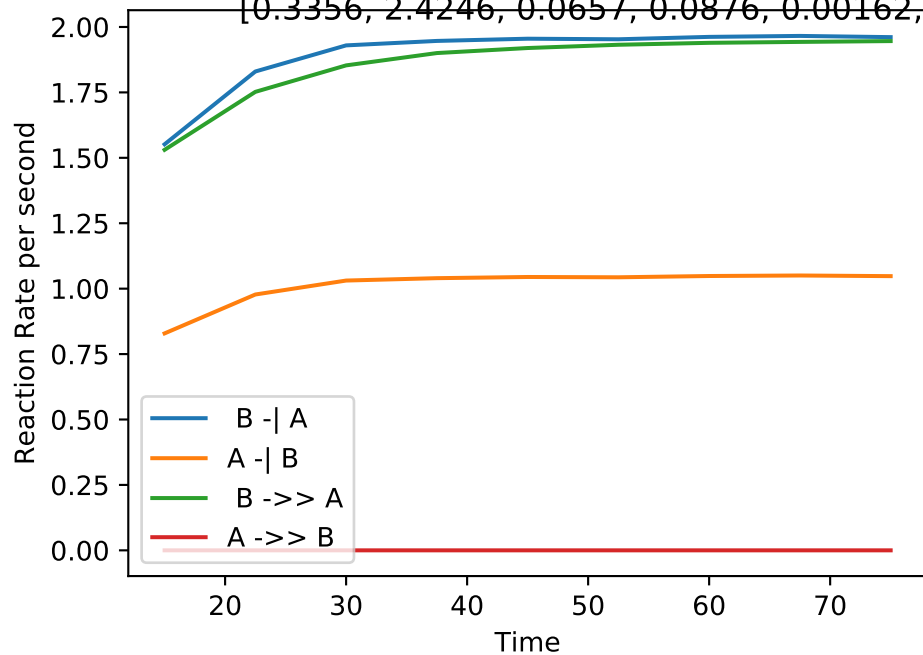
Single_up | MB-LLS Single_up(#4):

[0.0008, 2.3905, 0.0374, 0.1029, 0.001641, 0.0007526, 0.0496, 0.0409, 0.0649, 0.0000]



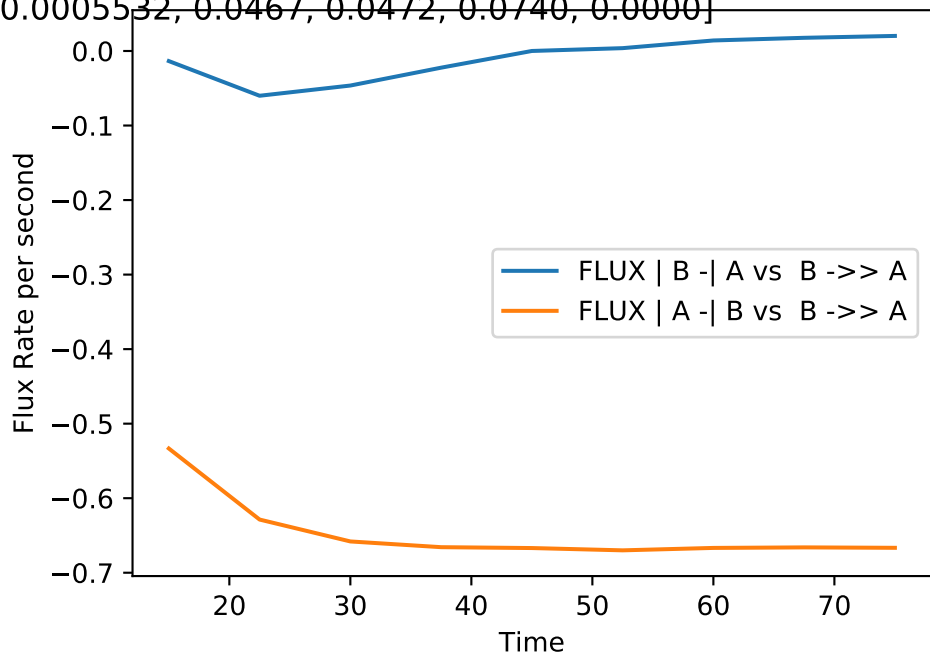
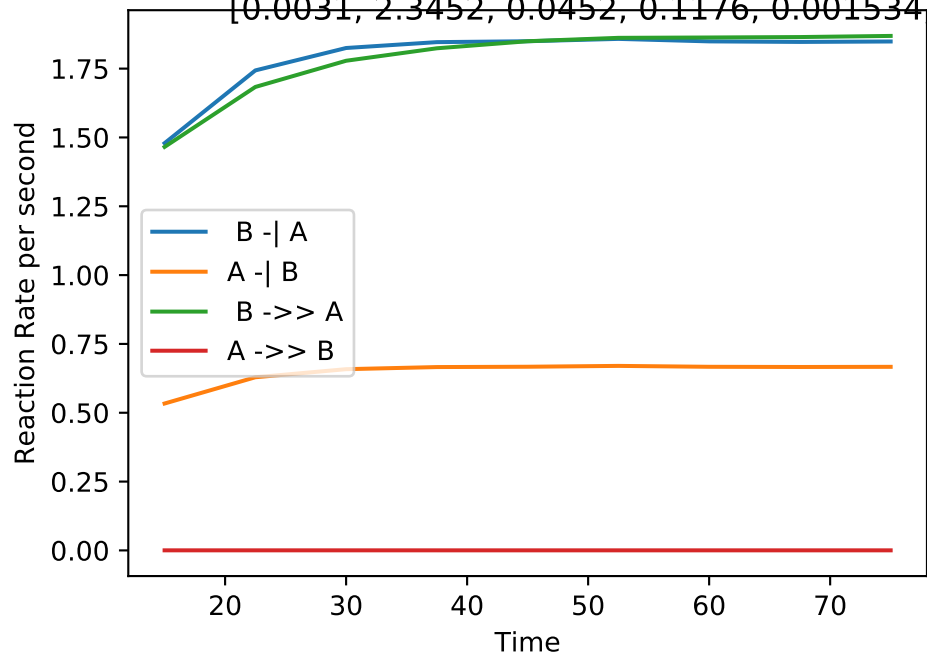
Single_up | MB-LLS Single_up(#5):

[0.3356, 2.4246, 0.0657, 0.0876, 0.00162, 0.0008654, 0.0486, 0.0587, 0.0526, 0.0000]



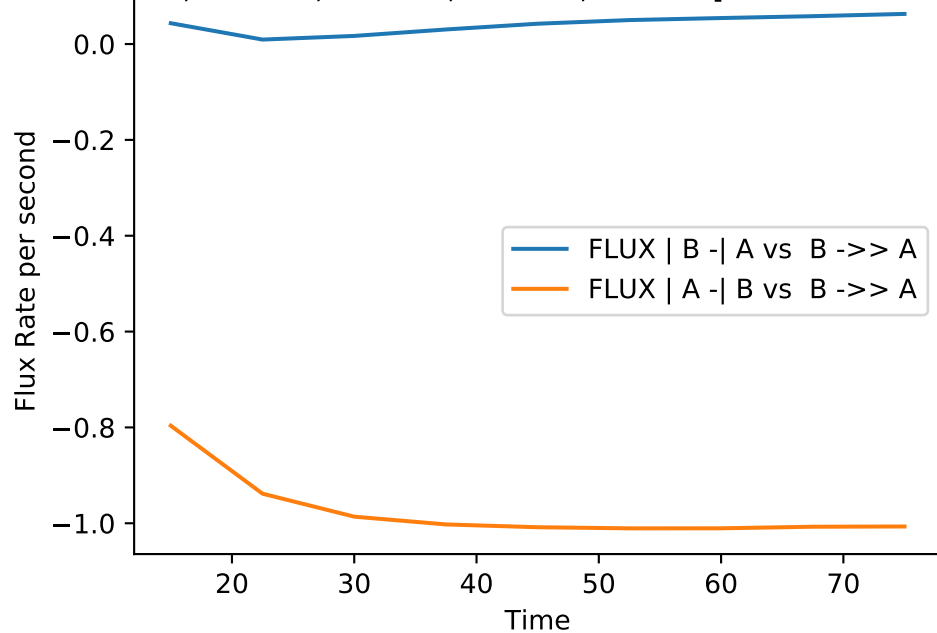
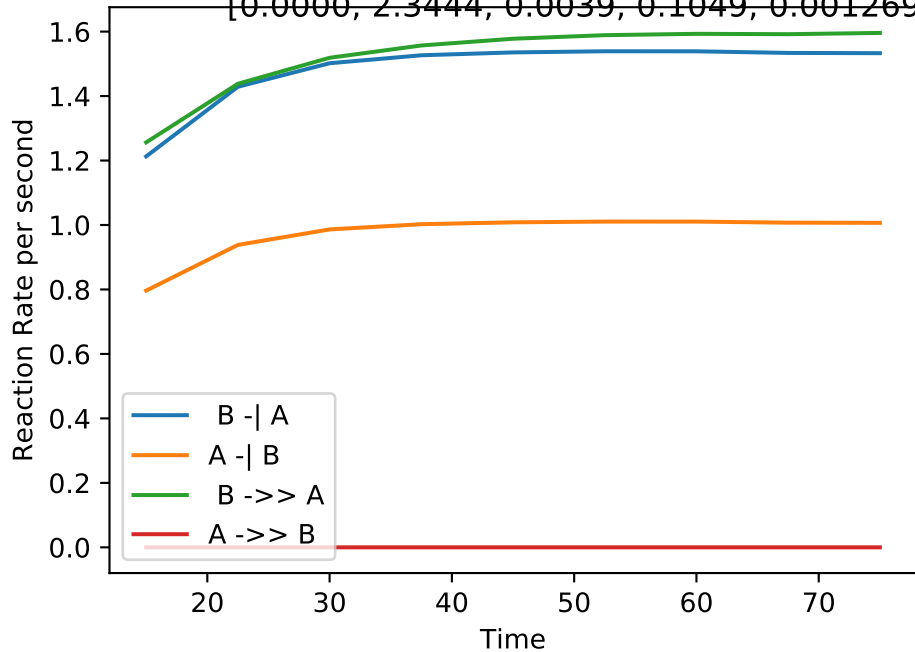
Single_up | MB-LLS Single_up(#6):

[0.0031, 2.3452, 0.0452, 0.1176, 0.001534, 0.0005532, 0.0467, 0.0472, 0.0740, 0.0000]



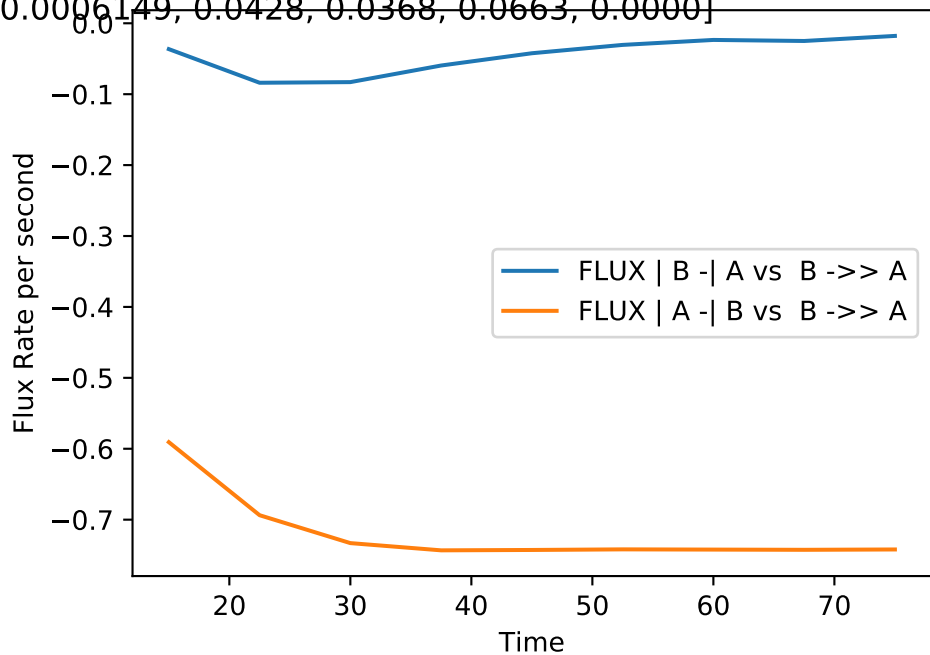
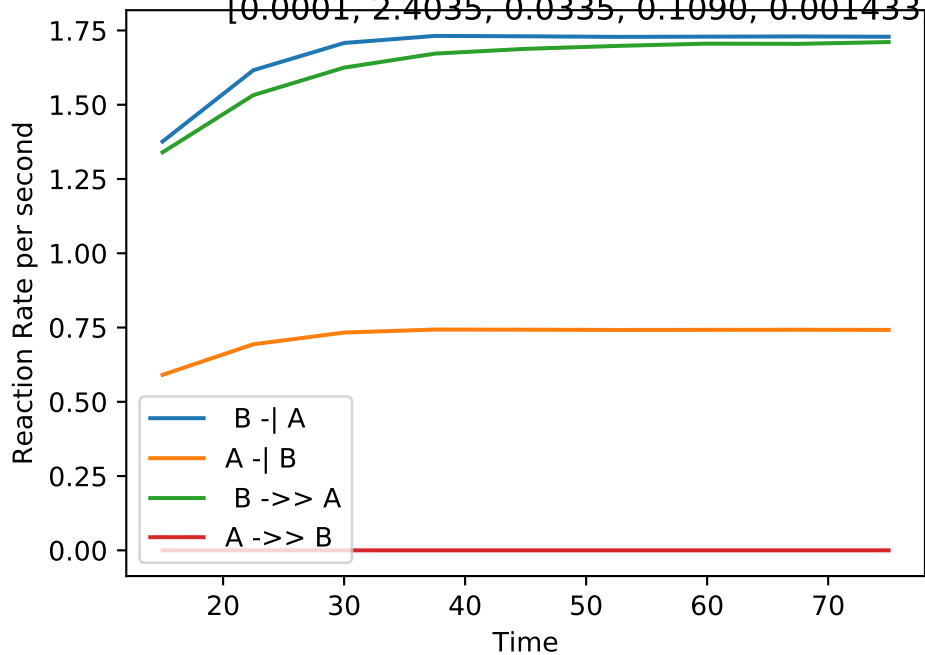
Single_up | MB-LLS Single_up(#7):

[0.0000, 2.3444, 0.0039, 0.1049, 0.001269, 0.0008333, 0.0400, 0.0061, 0.0699, 0.0000]



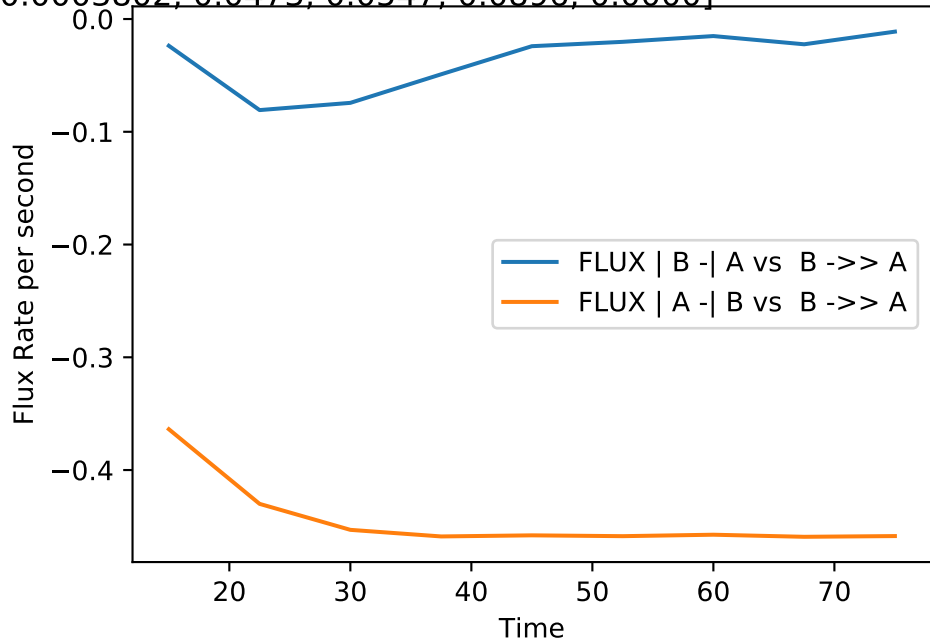
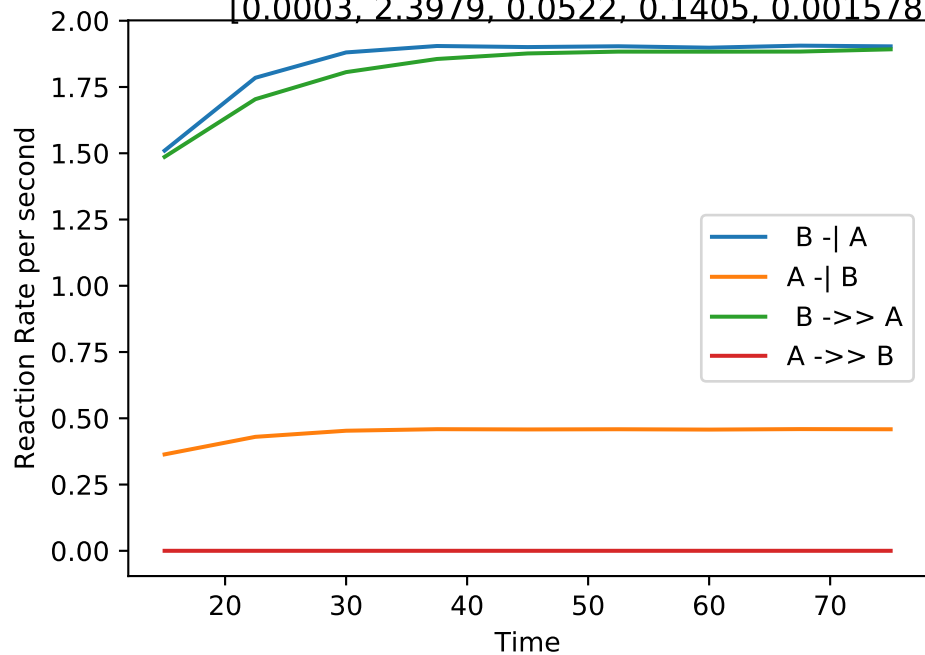
Single_up | MB-LLS Single_up(#8):

[0.0001, 2.4035, 0.0335, 0.1090, 0.001433, 0.0006149, 0.0428, 0.0368, 0.0663, 0.0000]



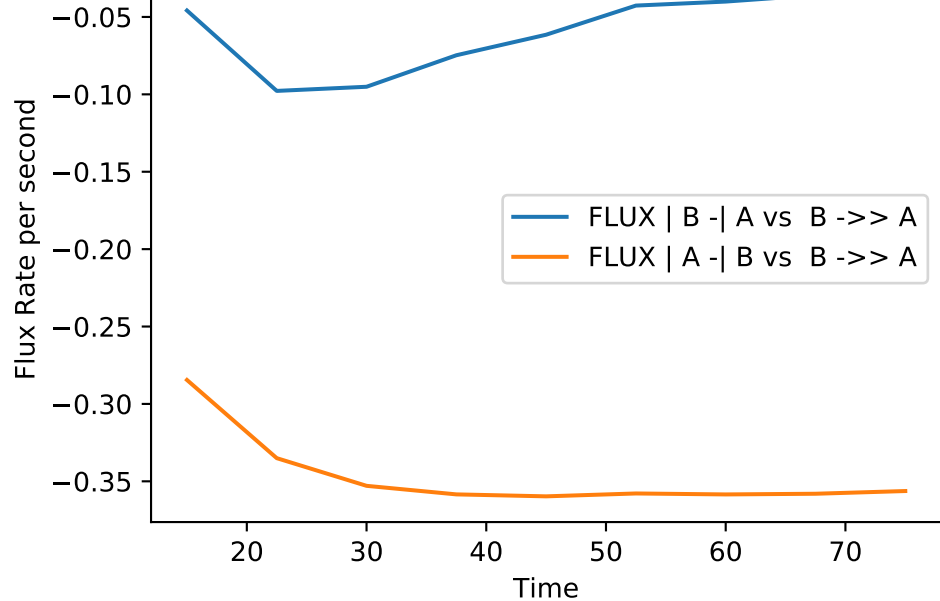
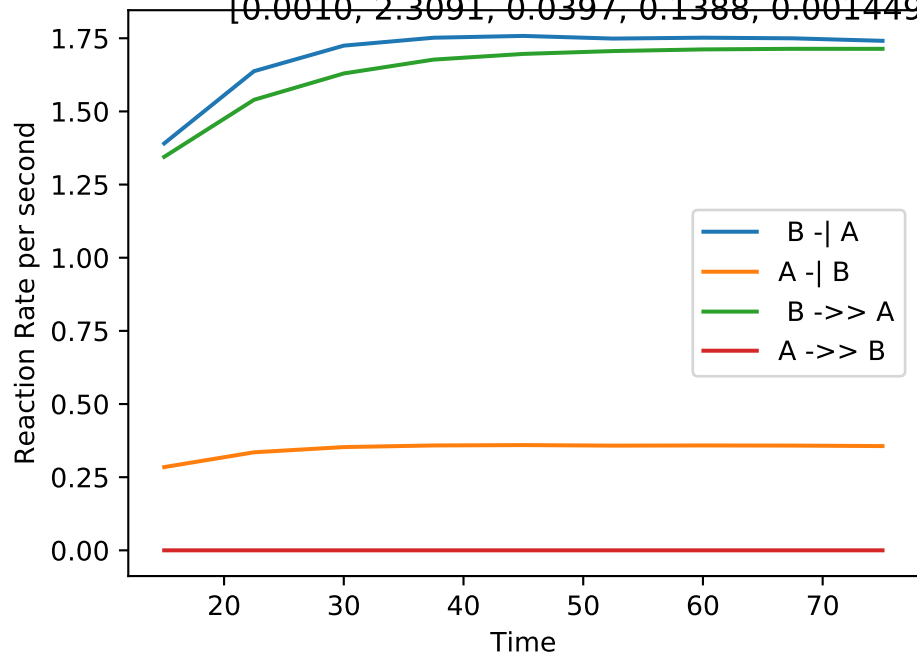
Single_up | MB-LLS Single_up(#9):

[0.0003, 2.3979, 0.0522, 0.1405, 0.001578, 0.0003802, 0.0473, 0.0547, 0.0896, 0.0000]



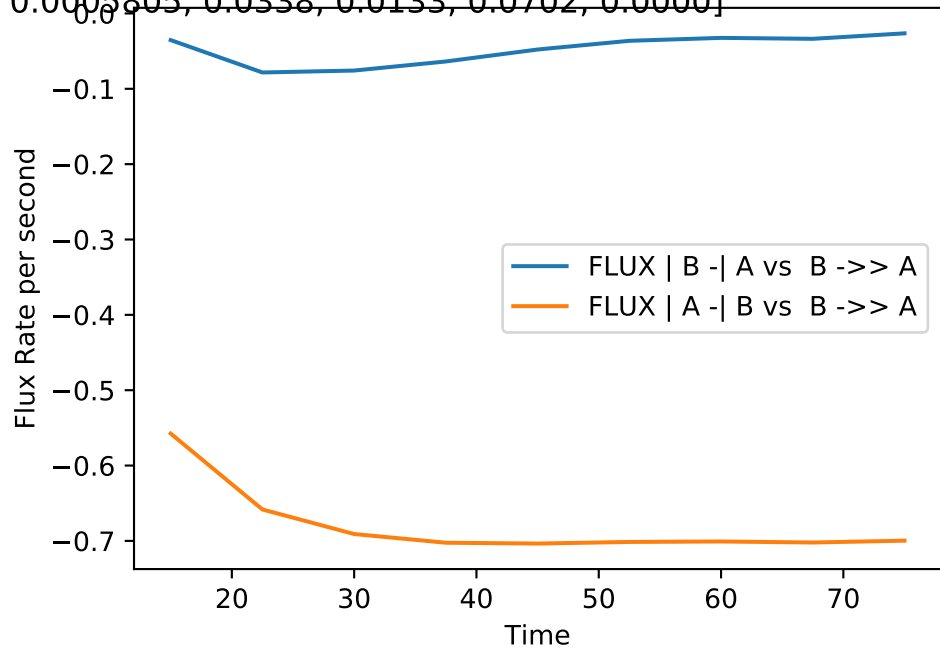
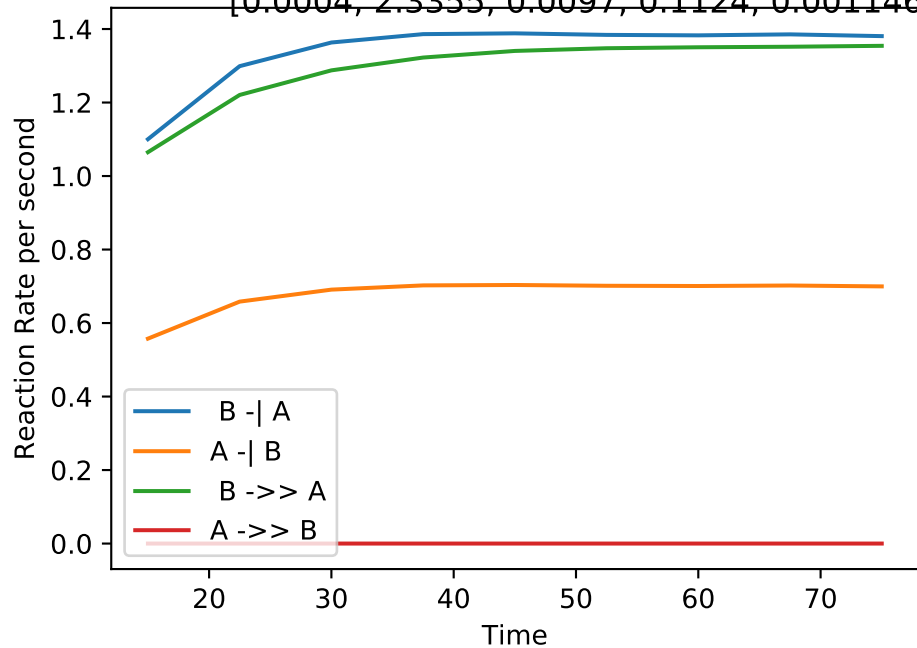
Single_up | MB-LLS Single_up(#10):

[0.0010, 2.3091, 0.0397, 0.1388, 0.001449, 0.0002965, 0.0429, 0.0431, 0.0876, 0.0000]



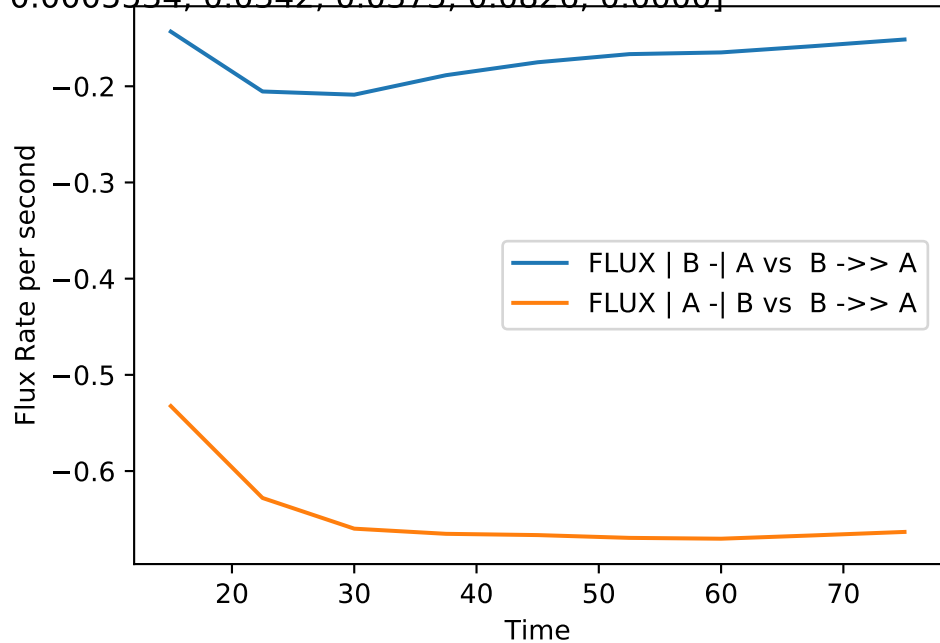
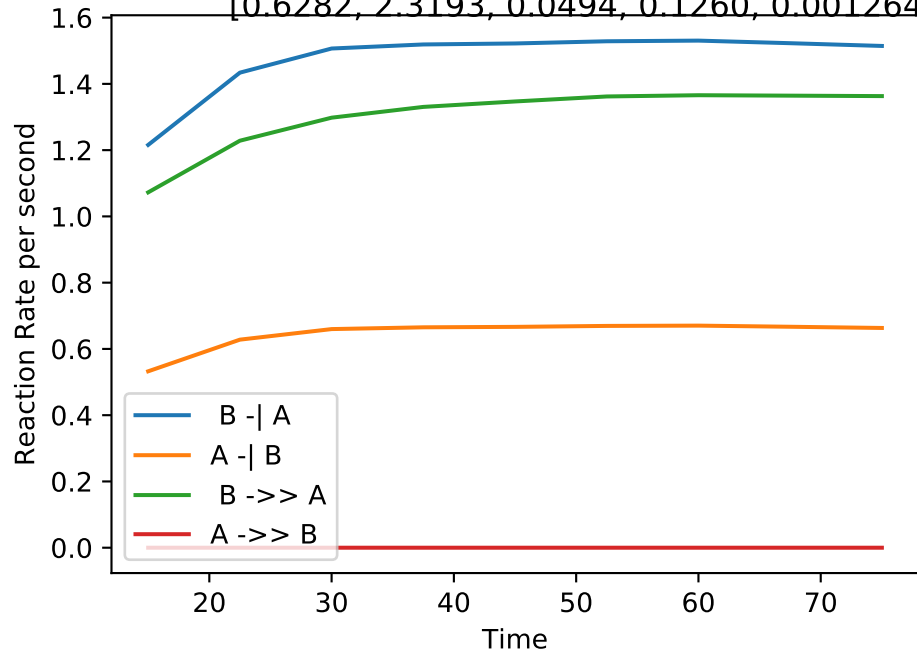
Single_up | MB-LLS Single_up(#11):

[0.0004, 2.3355, 0.0097, 0.1124, 0.001146, 0.0005805, 0.0338, 0.0133, 0.0702, 0.0000]



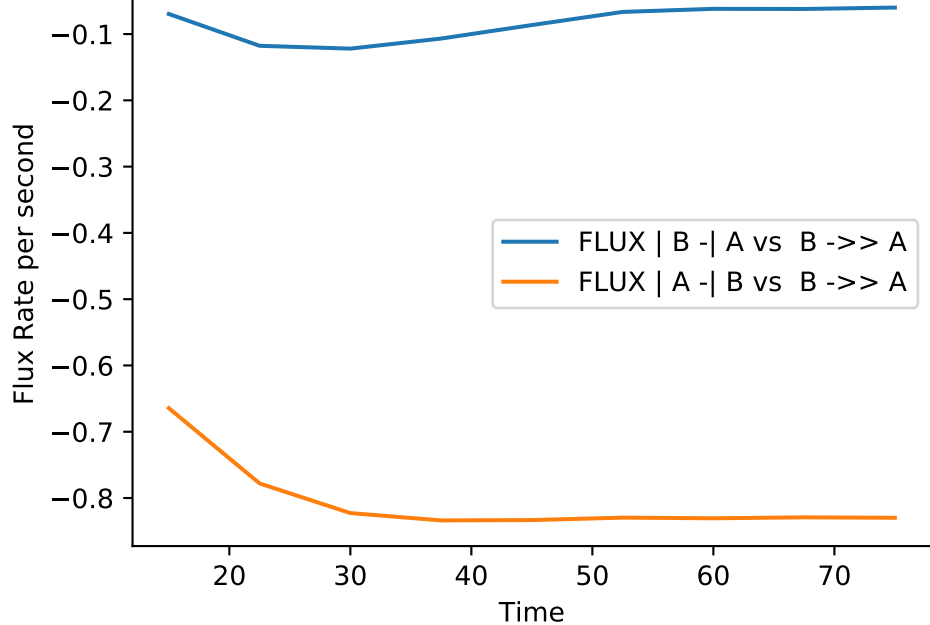
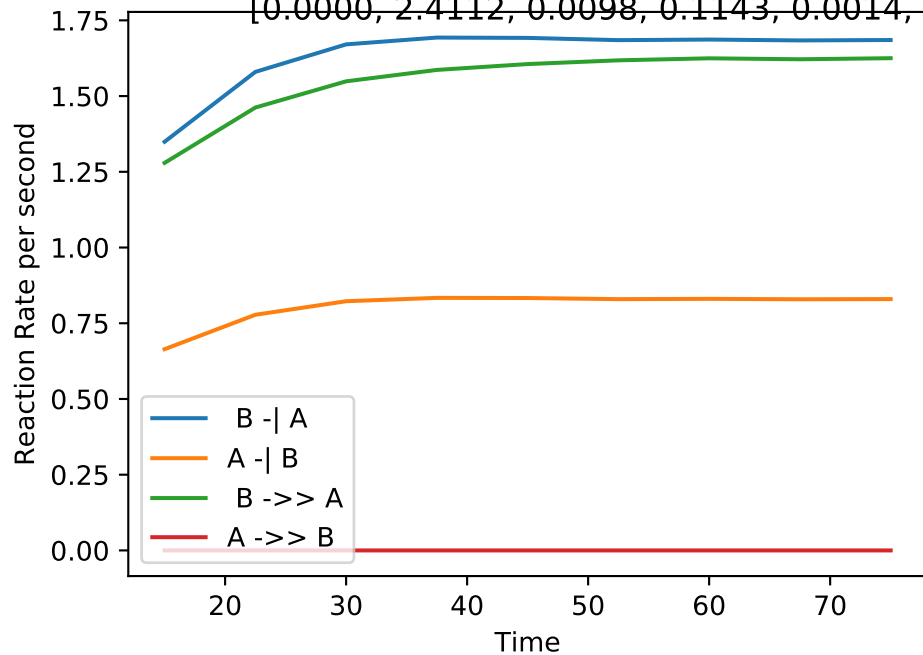
Single_up | MB-LLS Single_up(#12):

[0.6282, 2.3193, 0.0494, 0.1260, 0.001264, 0.0005534, 0.0342, 0.0375, 0.0826, 0.0000]



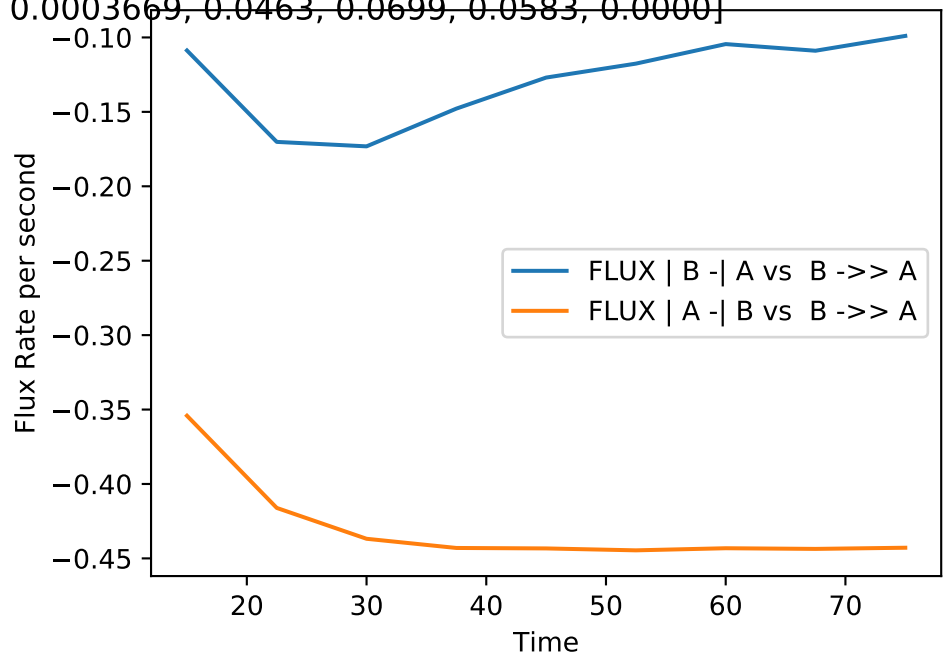
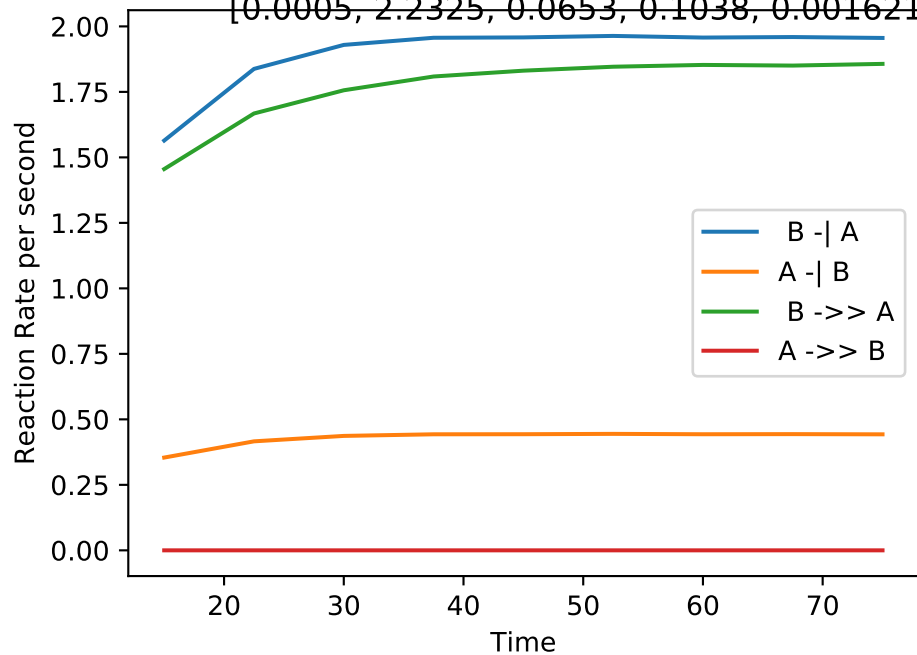
Single_up | MB-LLS Single_up(#13):

[0.0000, 2.4112, 0.0098, 0.1143, 0.0014, 0.0006893, 0.0407, 0.0155, 0.0733, 0.0000]



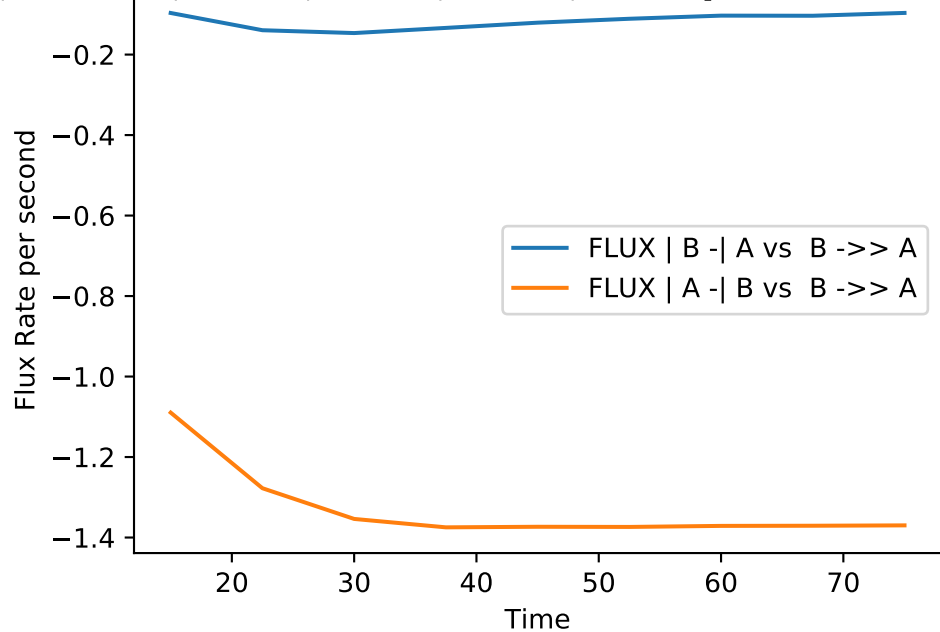
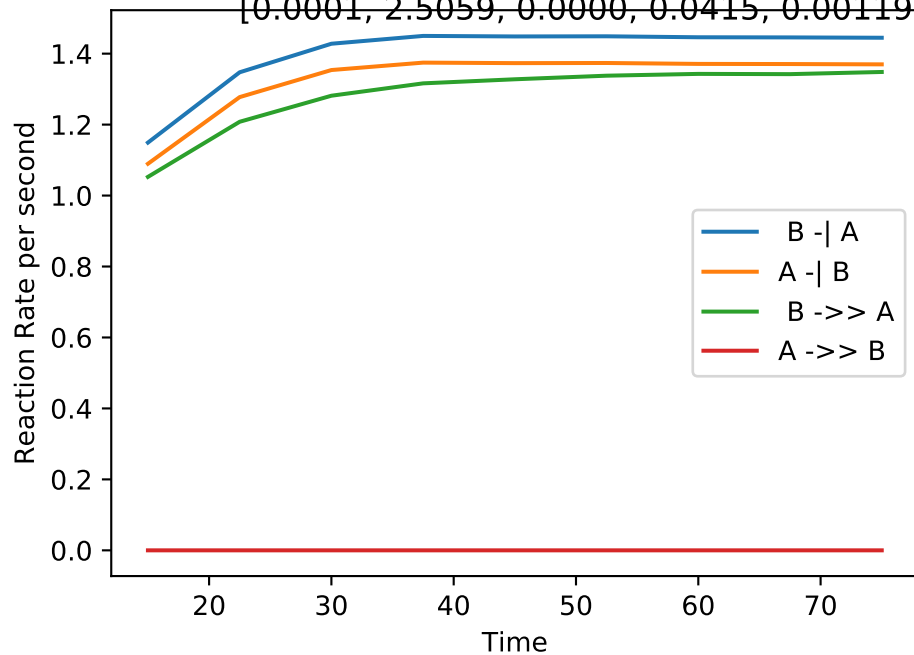
Single_up | MB-LLS Single_up(#14):

[0.0005, 2.2325, 0.0653, 0.1038, 0.001621, 0.0003669, 0.0463, 0.0699, 0.0583, 0.0000]



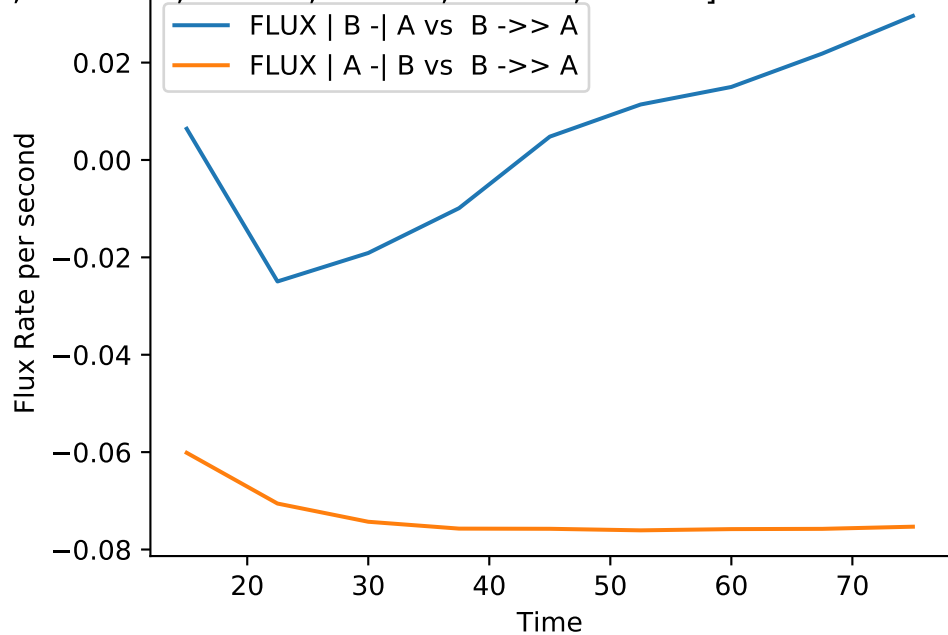
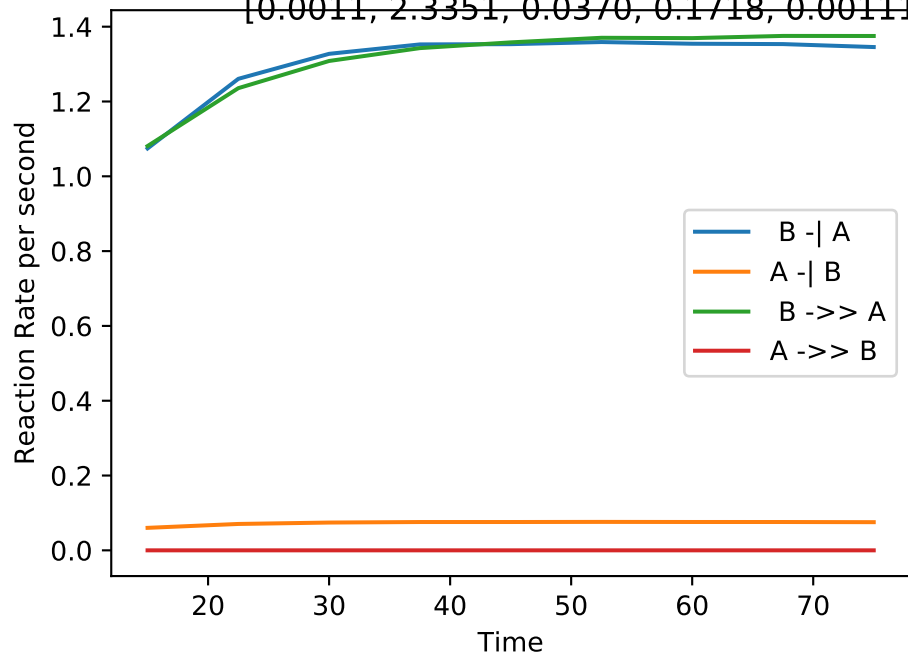
Single_up | MB-LLS Single_up(#15):

[0.0001, 2.5059, 0.0000, 0.0415, 0.001195, 0.001133, 0.0336, 0.0063, 0.0146, 0.0000]



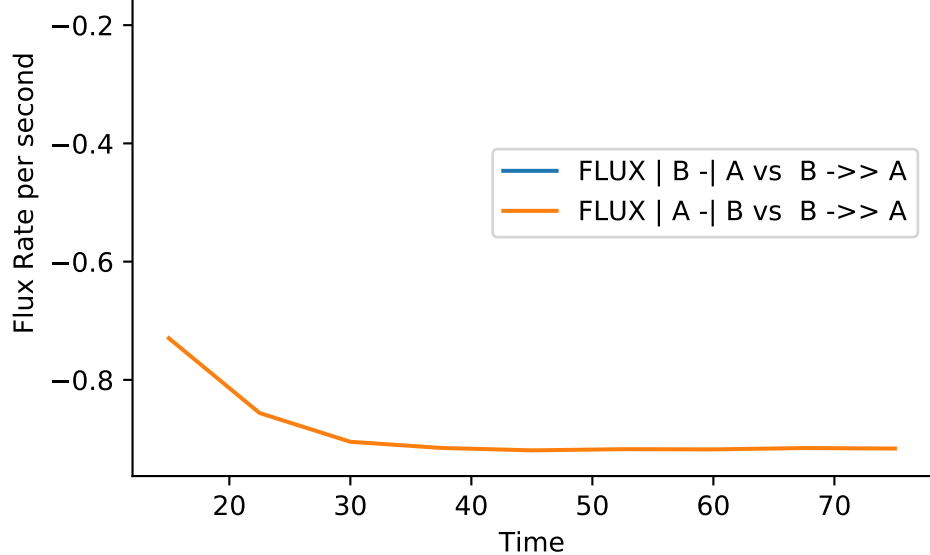
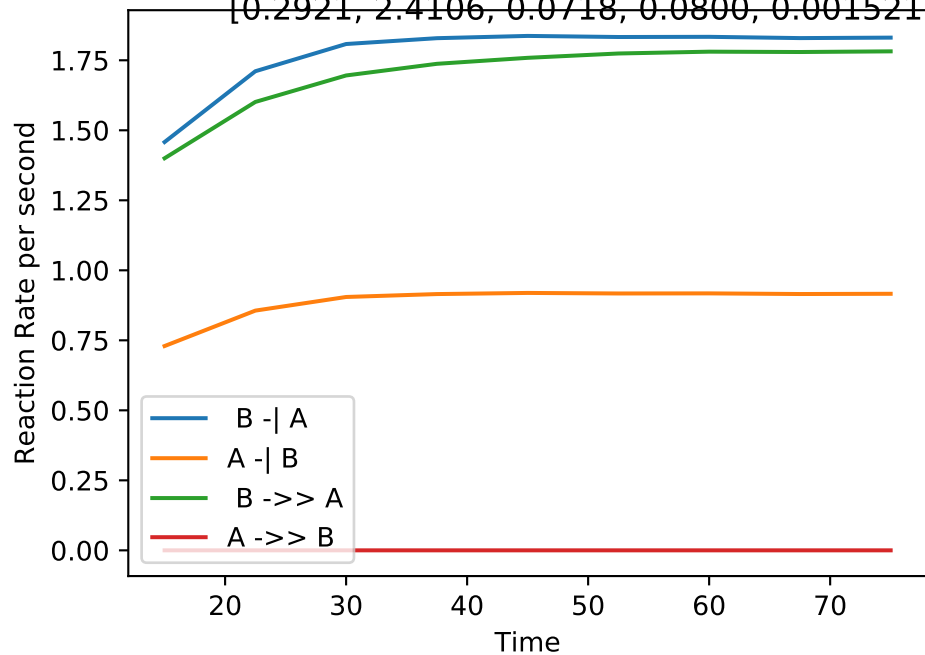
Single_up | MB-LLS Single_up(#16):

[0.0011, 2.3351, 0.0370, 0.1718, 0.001118, 6.26e-05, 0.0344, 0.0379, 0.1117, 0.0000]



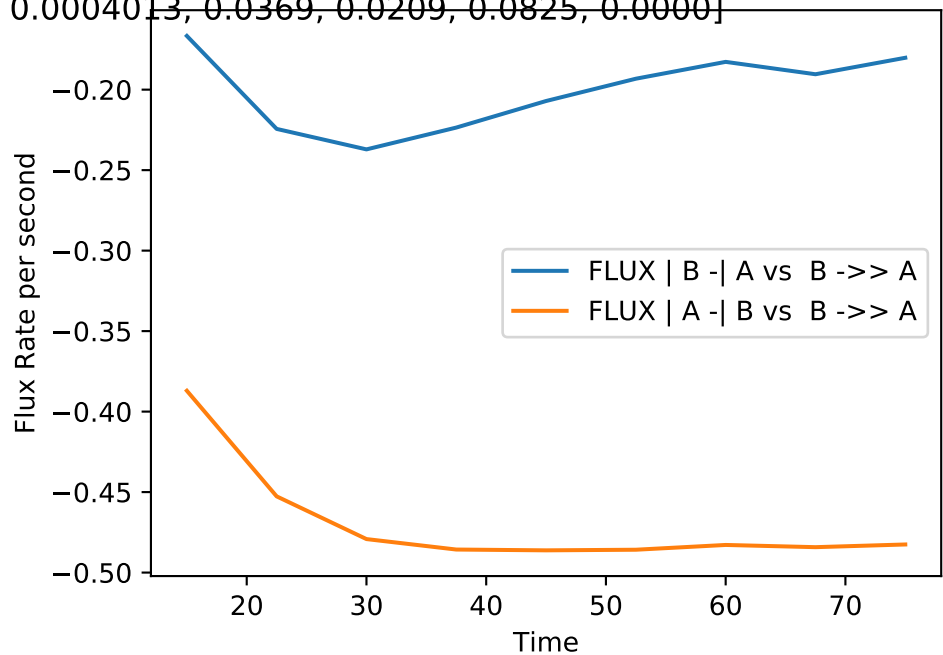
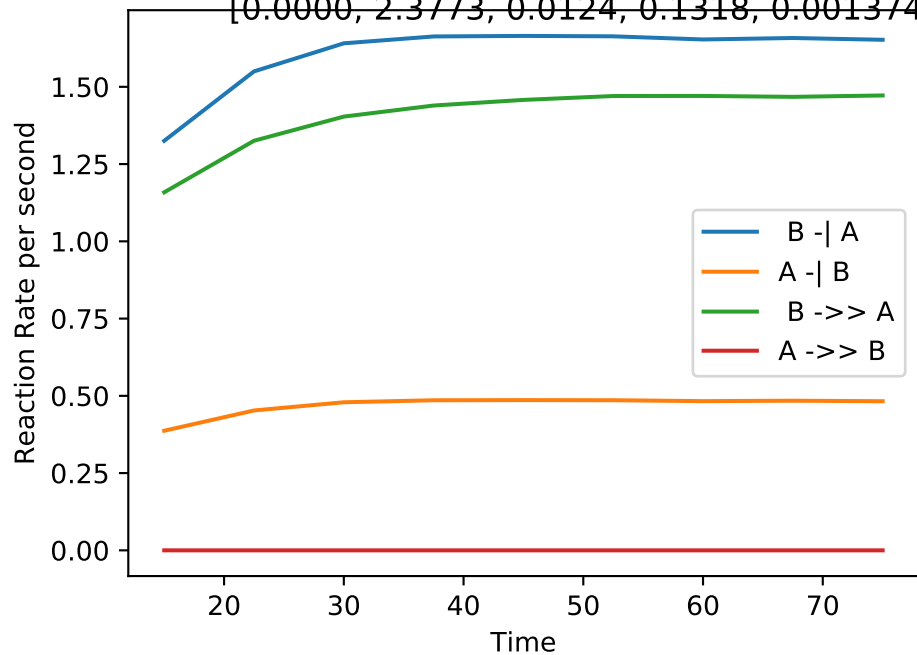
Single_up | MB-LLS Single_up(#17):

[0.2921, 2.4106, 0.0718, 0.0800, 0.001521, 0.0007613, 0.0446, 0.0662, 0.0426, 0.0000]



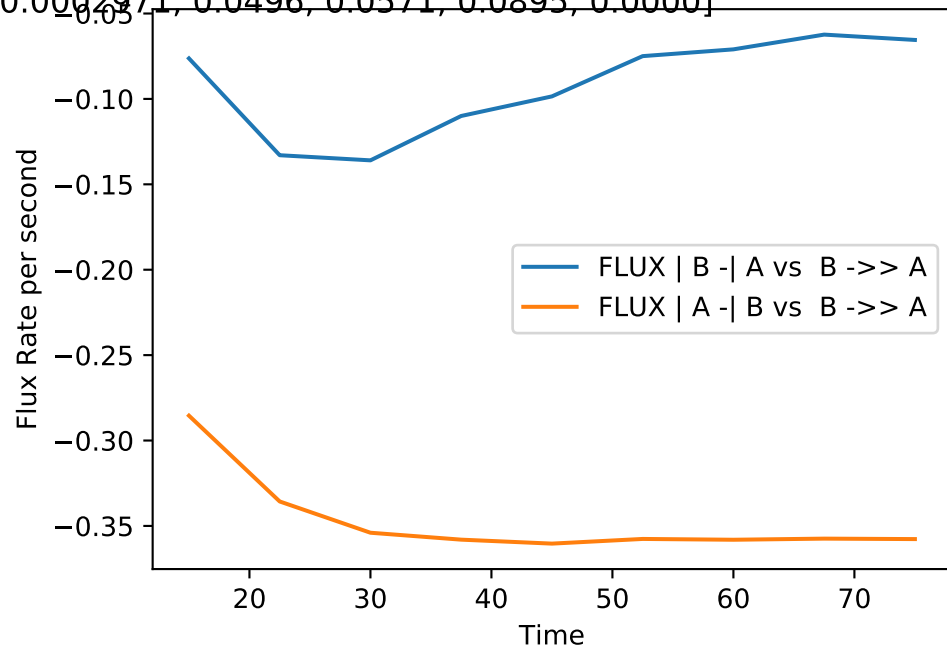
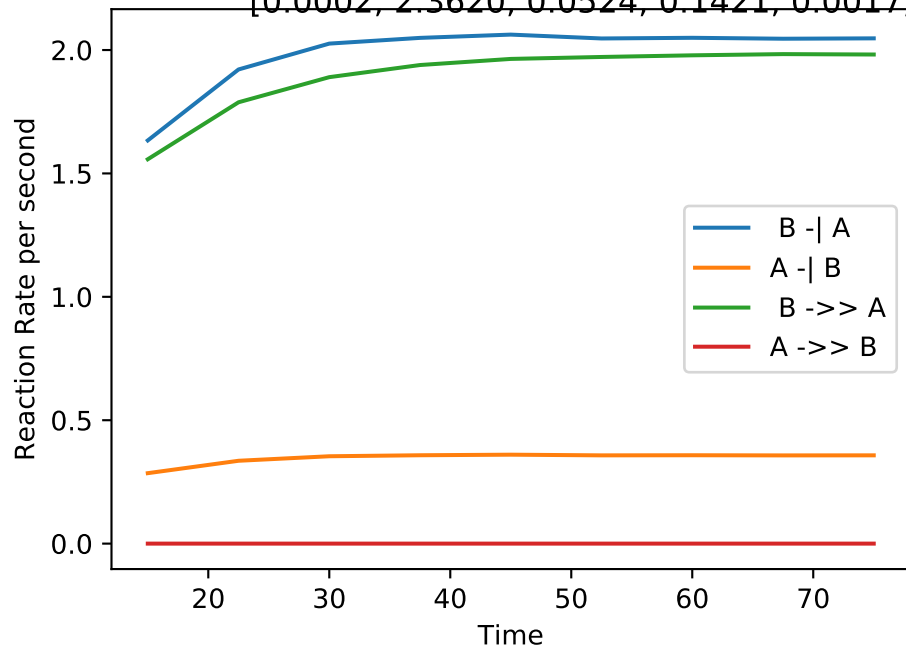
Single_up | MB-LLS Single_up(#18):

[0.0000, 2.3773, 0.0124, 0.1318, 0.001374, 0.0004013, 0.0369, 0.0209, 0.0825, 0.0000]



Single_up | MB-LLS Single_up(#19):

[0.0002, 2.3620, 0.0524, 0.1421, 0.0017, 0.0002971, 0.0496, 0.0571, 0.0895, 0.0000]



Single_up | MB-LLS Single_up(#20):

[0.0008, 2.3620, 0.0675, 0.0984, 0.001686, 0.0005663, 0.0510, 0.0695, 0.0557, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time



Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7

20

30

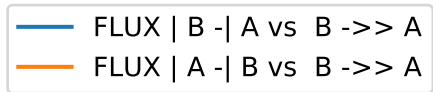
40

50

60

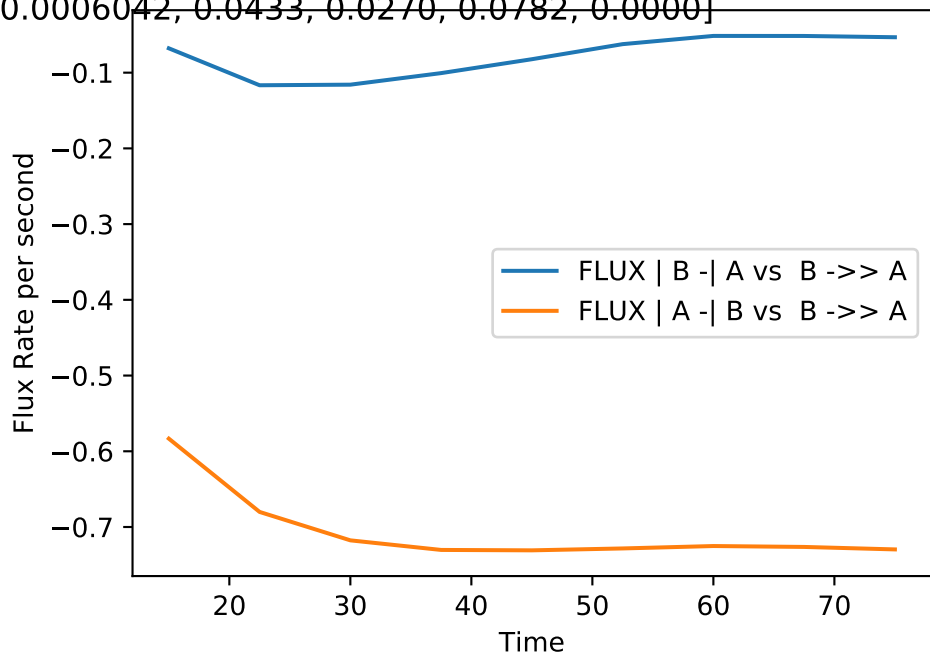
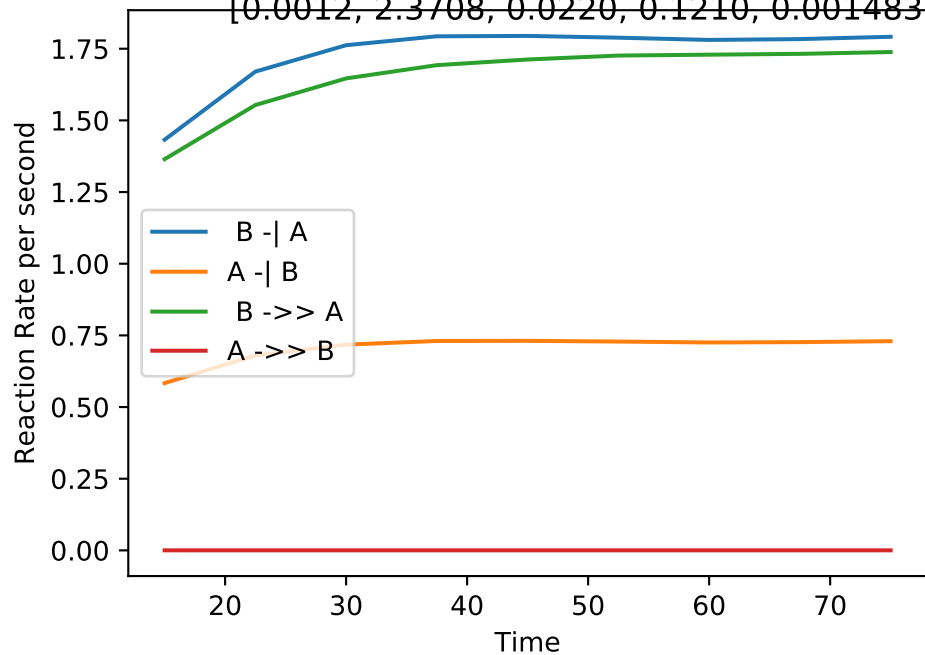
70

Time



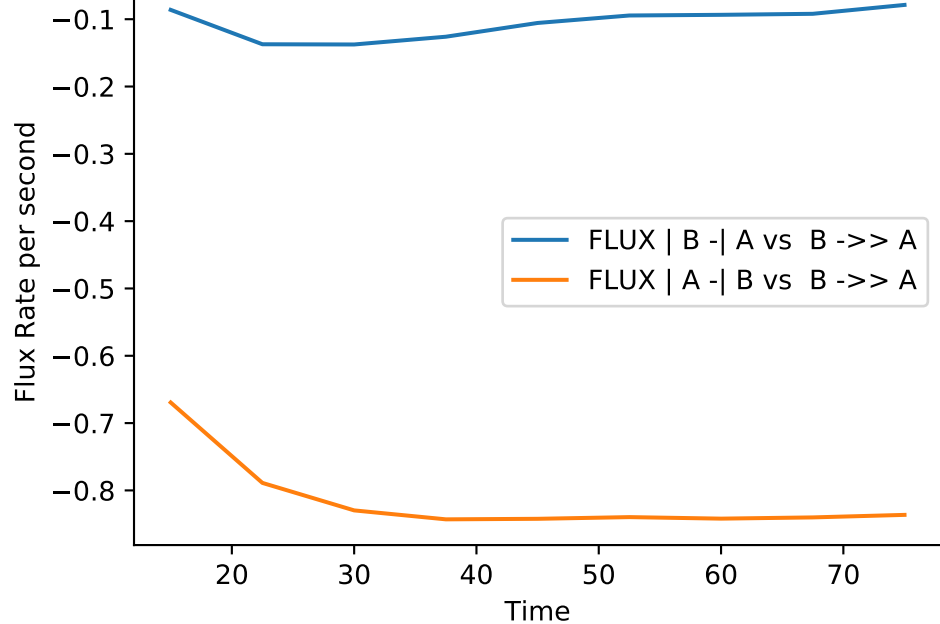
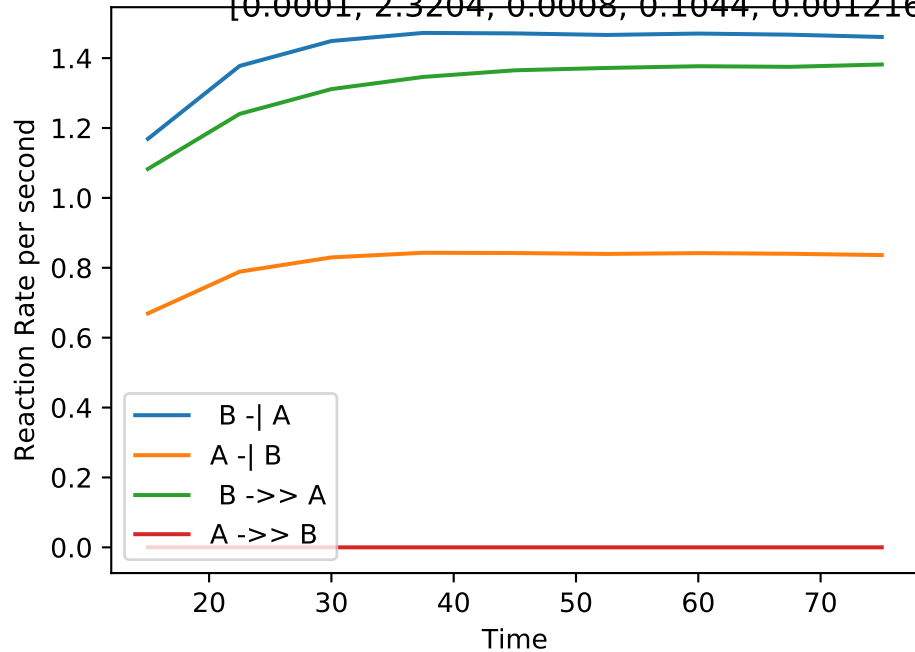
Single_up | MB-LLS Single_up(#21):

[0.0012, 2.3708, 0.0220, 0.1210, 0.001483, 0.0006042, 0.0433, 0.0270, 0.0782, 0.0000]



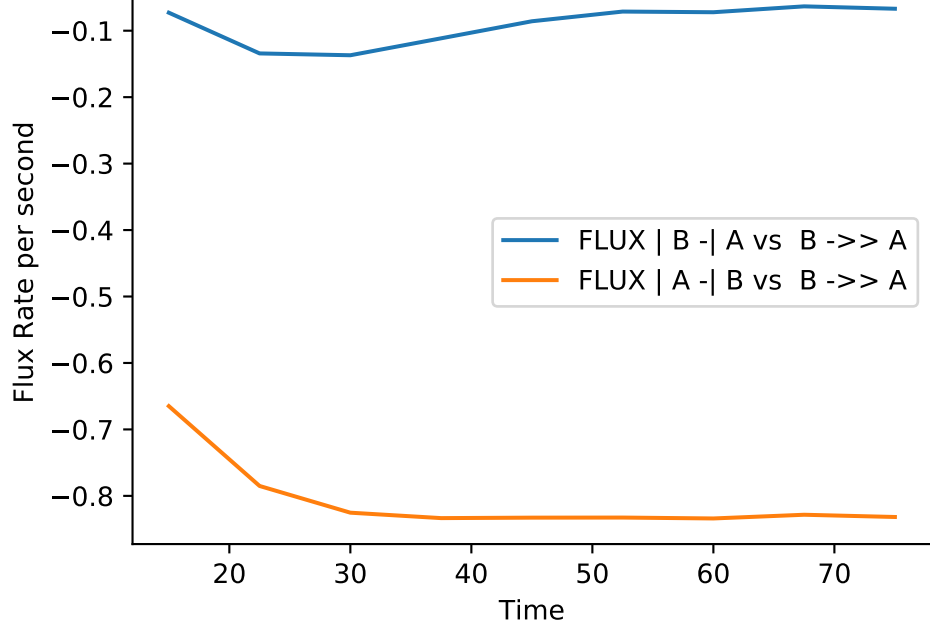
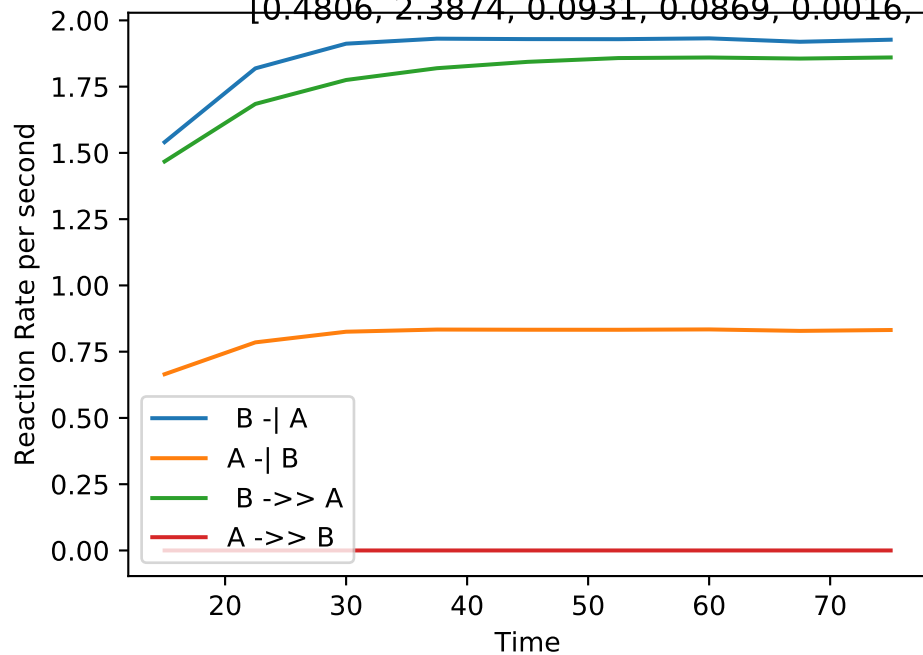
Single_up | MB-LLS Single_up(#22):

[0.0001, 2.3204, 0.0008, 0.1044, 0.001216, 0.0006961, 0.0344, 0.0069, 0.0664, 0.0000]



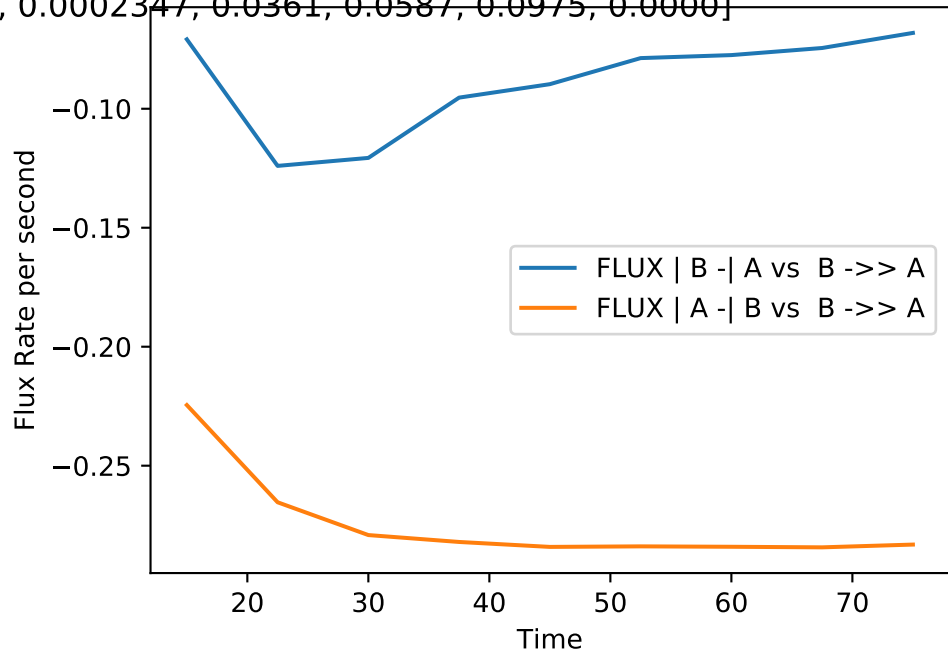
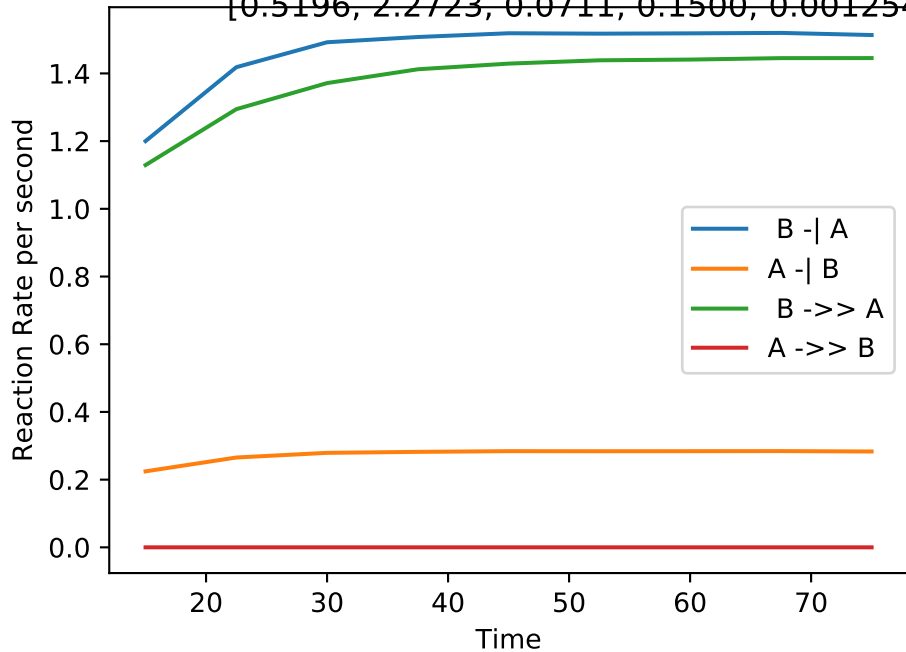
Single_up | MB-LLS Single_up(#23):

[0.4806, 2.3874, 0.0931, 0.0869, 0.0016, 0.0006906, 0.0466, 0.0819, 0.0477, 0.0000]



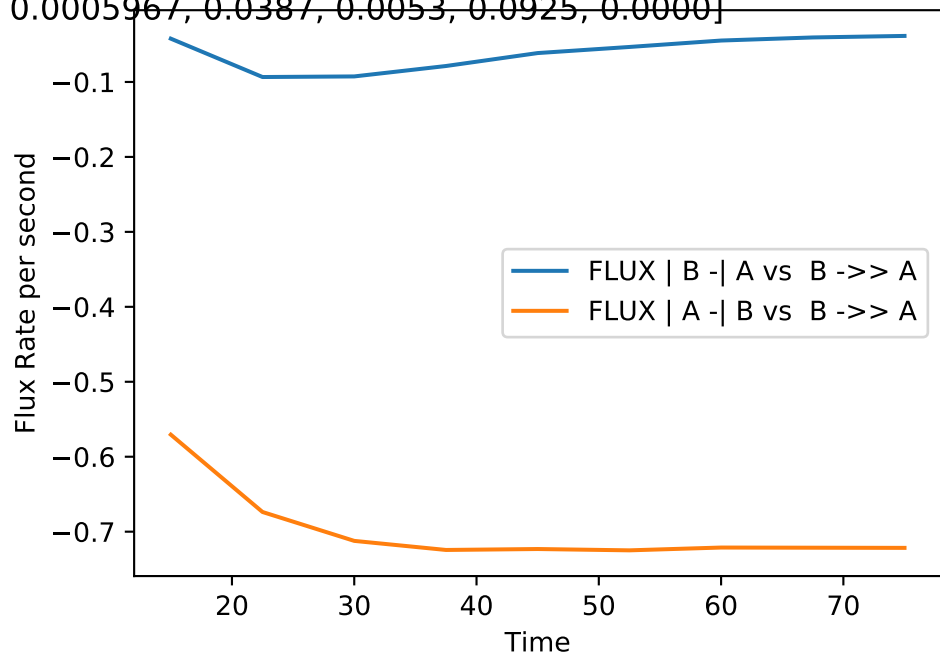
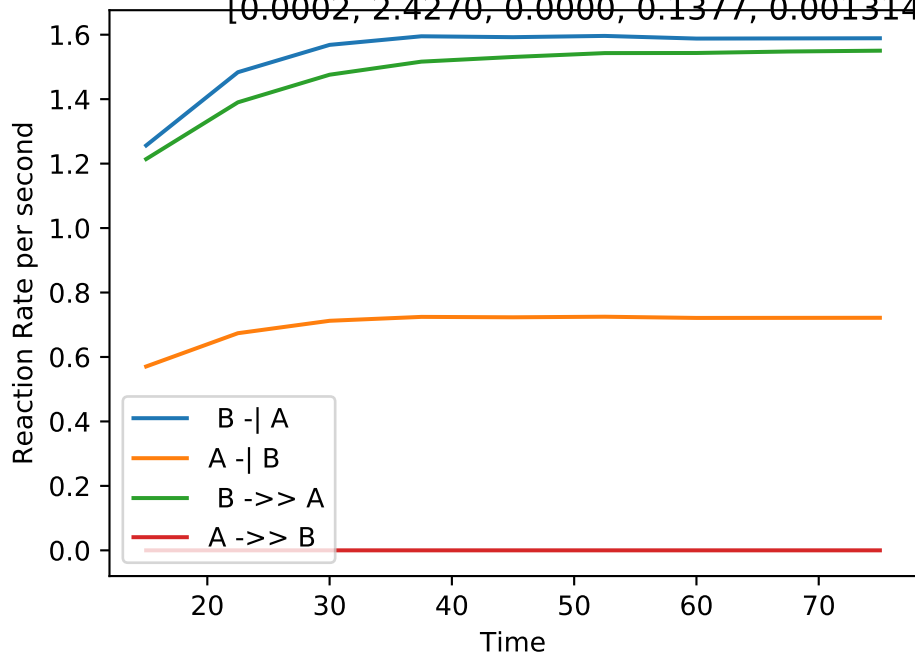
Single_up | MB-LLS Single_up(#24):

[0.5196, 2.2723, 0.0711, 0.1500, 0.001254, 0.0002347, 0.0361, 0.0587, 0.0975, 0.0000]



Single_up | MB-LLS Single_up(#25):

[0.0002, 2.4270, 0.0000, 0.1377, 0.001314, 0.0005967, 0.0387, 0.0053, 0.0925, 0.0000]



Single_up | MB-LLS Single_up(#26):

[0.0001, 2.2271, 0.0819, 0.1482, 0.00172, 5.583e-05, 0.0511, 0.0841, 0.0917, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

Time

40

50

60

70



Flux Rate per second

-0.04
-0.05
-0.06
-0.07
-0.08
-0.09
-0.10

20

30

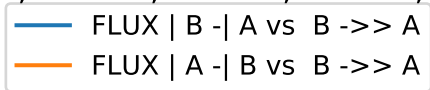
Time

40

50

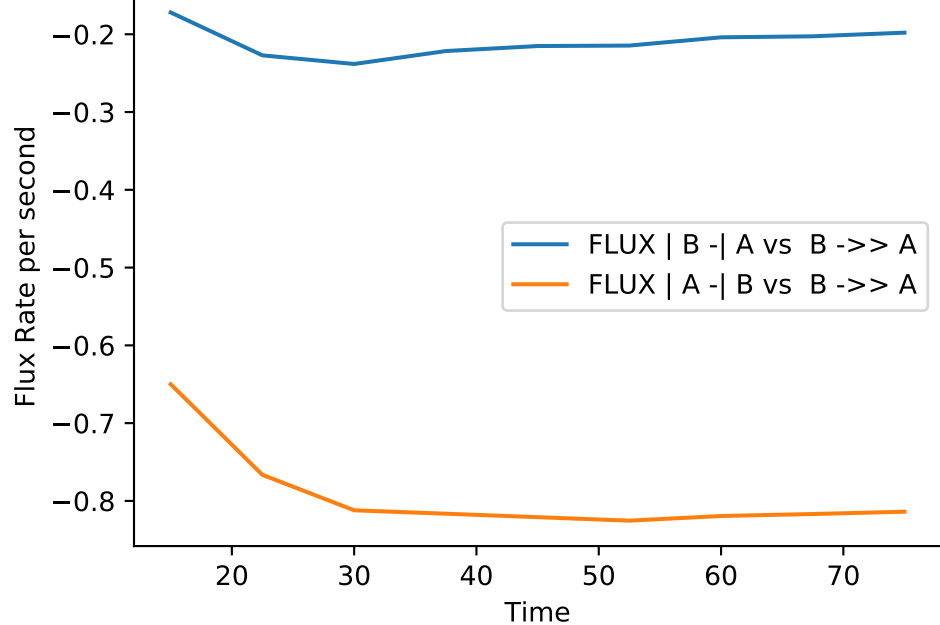
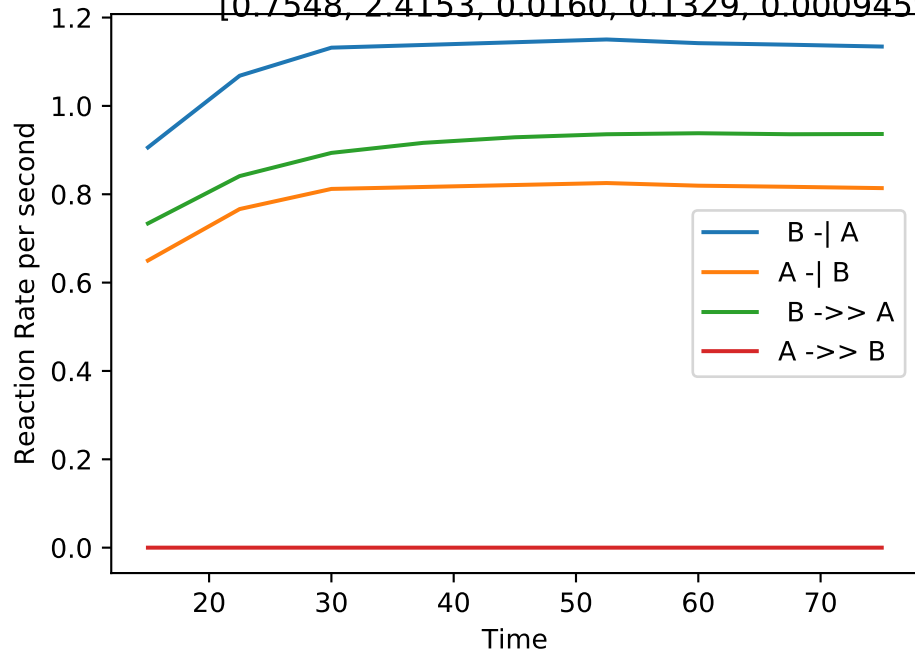
60

70



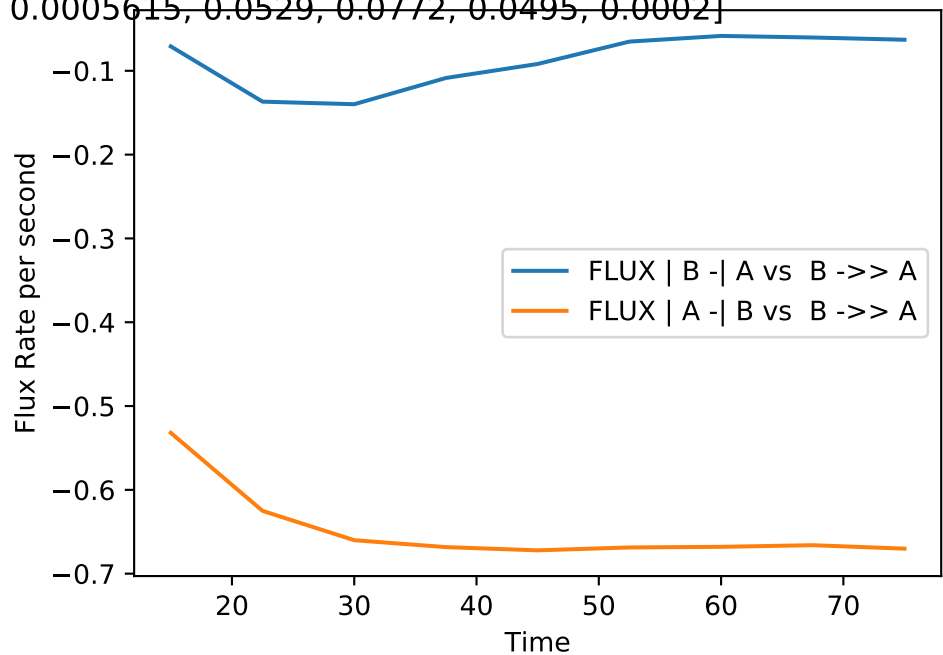
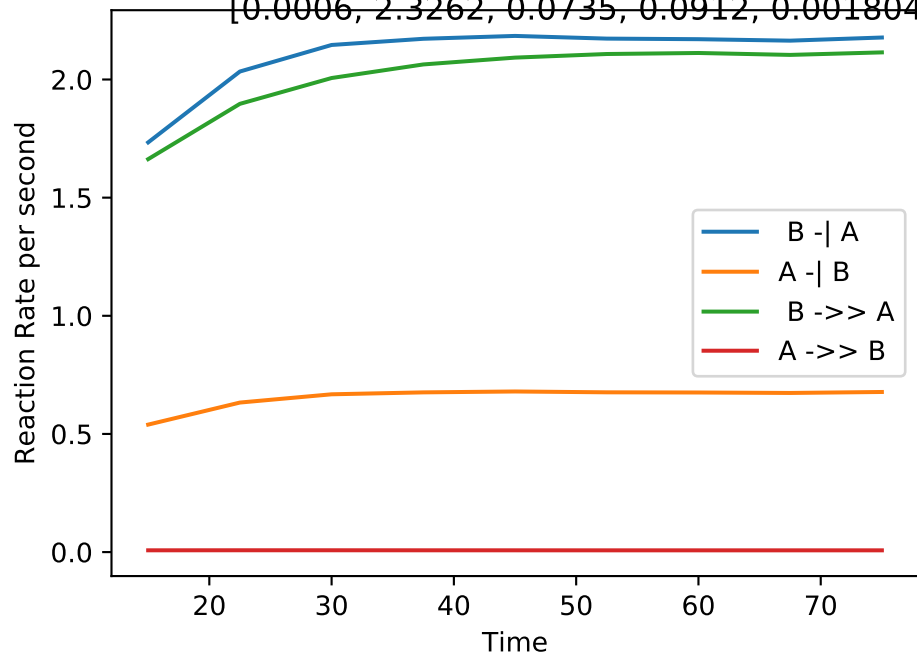
Single_up | MB-LLS Single_up(#27):

[0.7548, 2.4153, 0.0160, 0.1329, 0.0009459, 0.0006786, 0.0235, 0.0022, 0.0907, 0.0000]



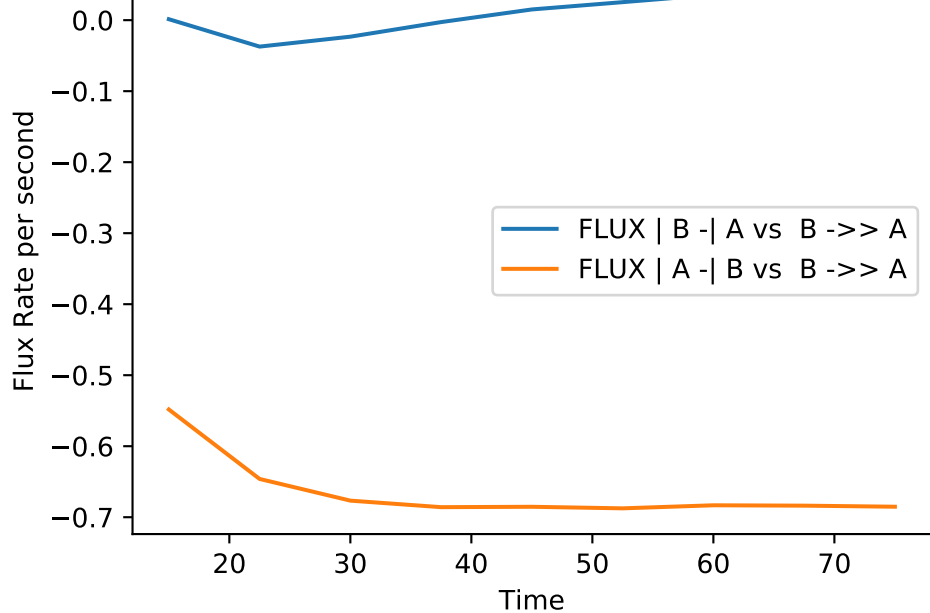
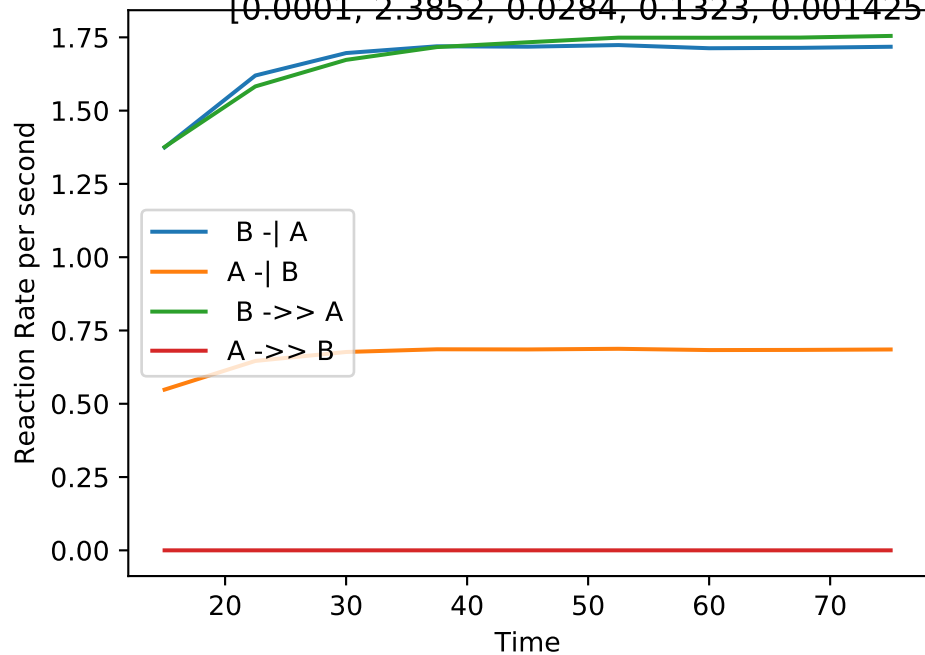
Single_up | MB-LLS Single_up(#28):

[0.0006, 2.3262, 0.0735, 0.0912, 0.001804, 0.0005615, 0.0529, 0.0772, 0.0495, 0.0002]



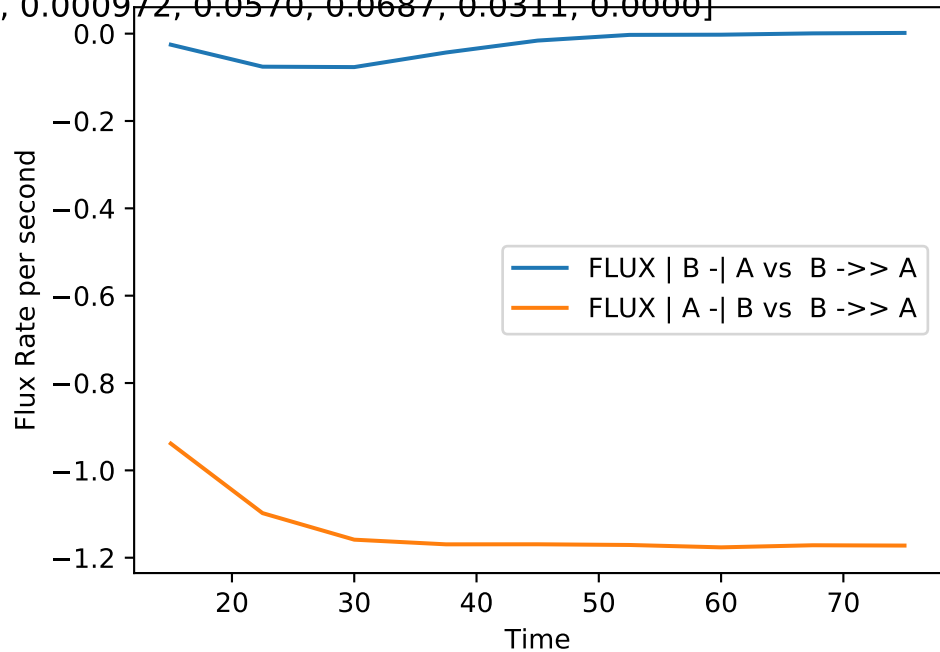
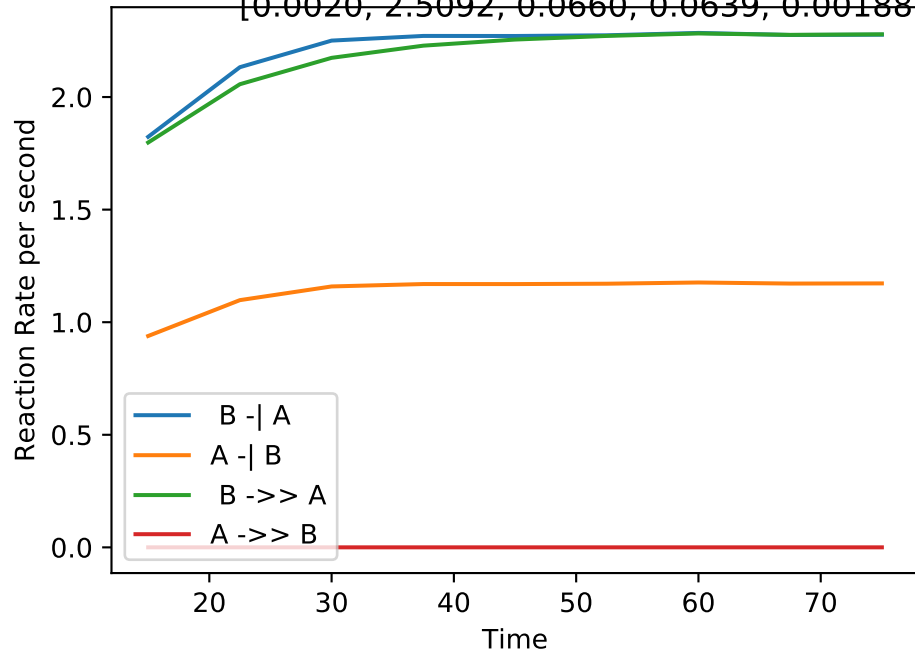
Single_up | MB-LLS Single_up(#29):

[0.0001, 2.3852, 0.0284, 0.1323, 0.001425, 0.0005682, 0.0439, 0.0305, 0.0874, 0.0000]



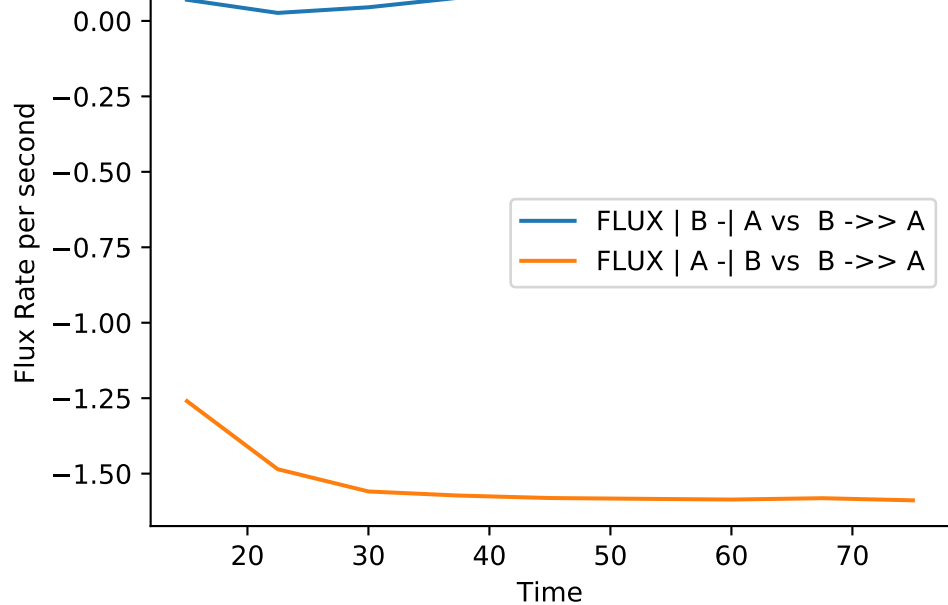
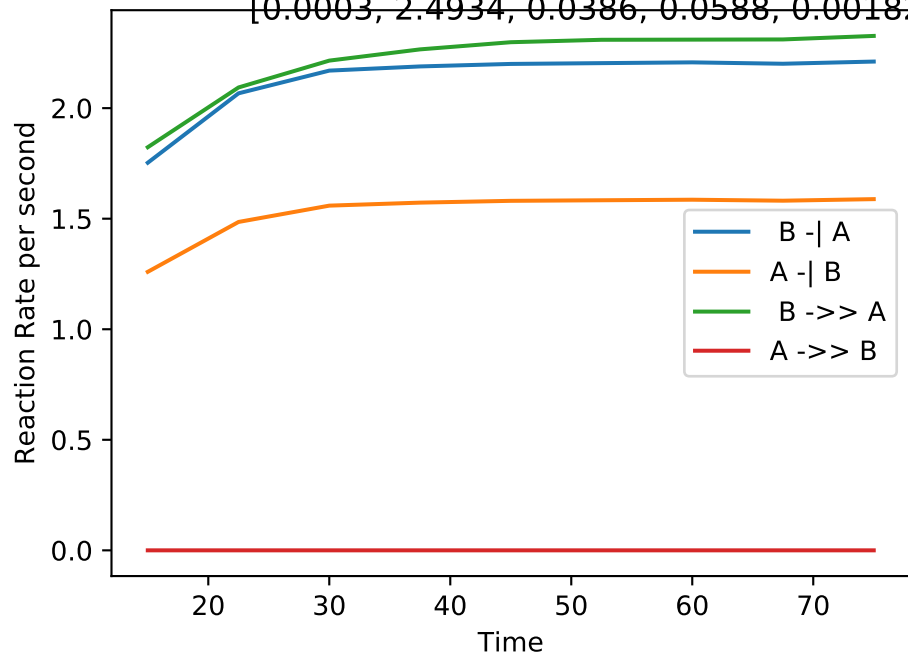
Single_up | MB-LLS Single_up(#30):

[0.0020, 2.5092, 0.0660, 0.0639, 0.001888, 0.000972, 0.0570, 0.0687, 0.0311, 0.0000]



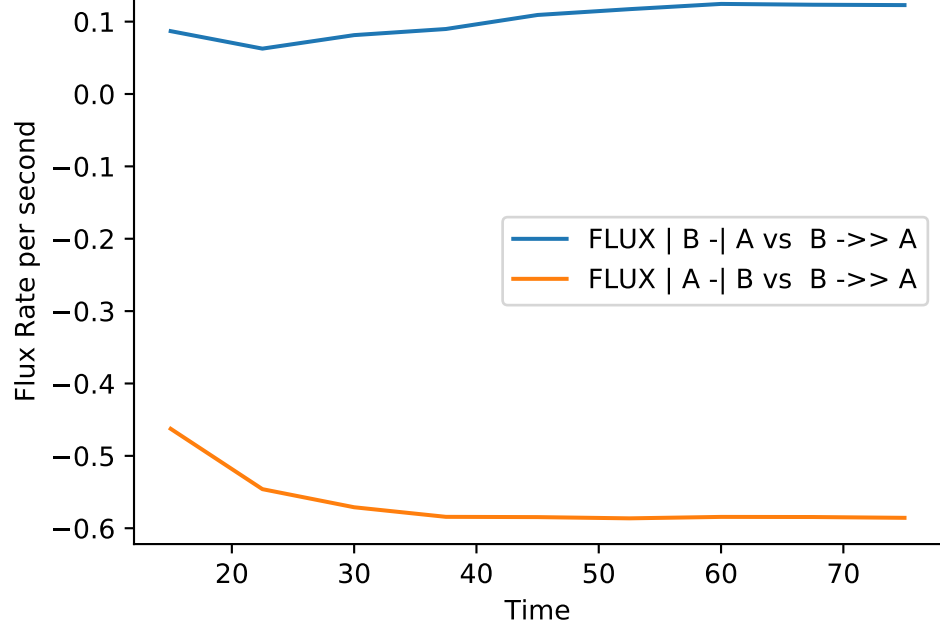
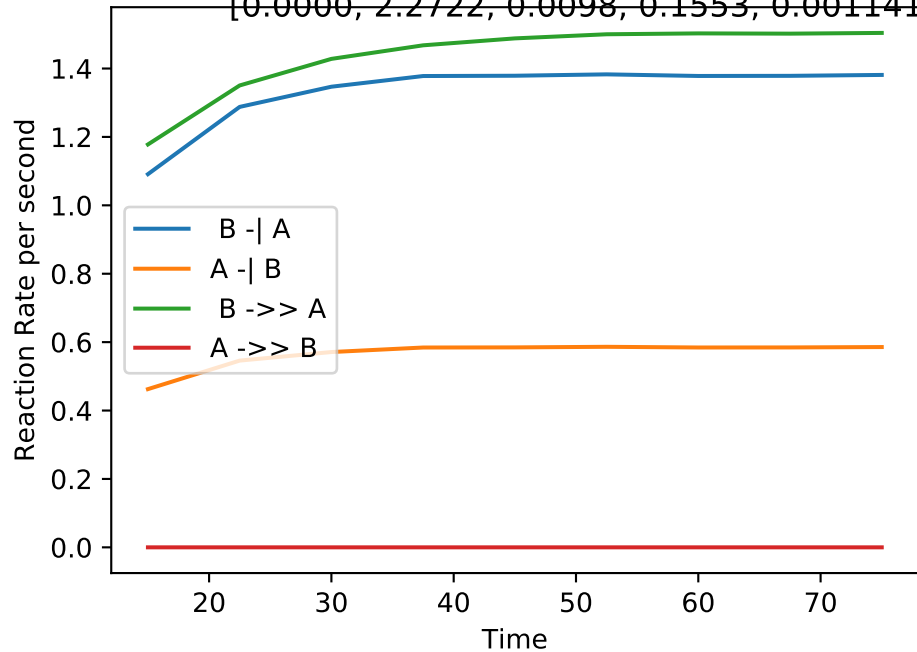
Single_up | MB-LLS Single_up(#31):

[0.0003, 2.4934, 0.0386, 0.0588, 0.001823, 0.00131, 0.0580, 0.0396, 0.0364, 0.0000]



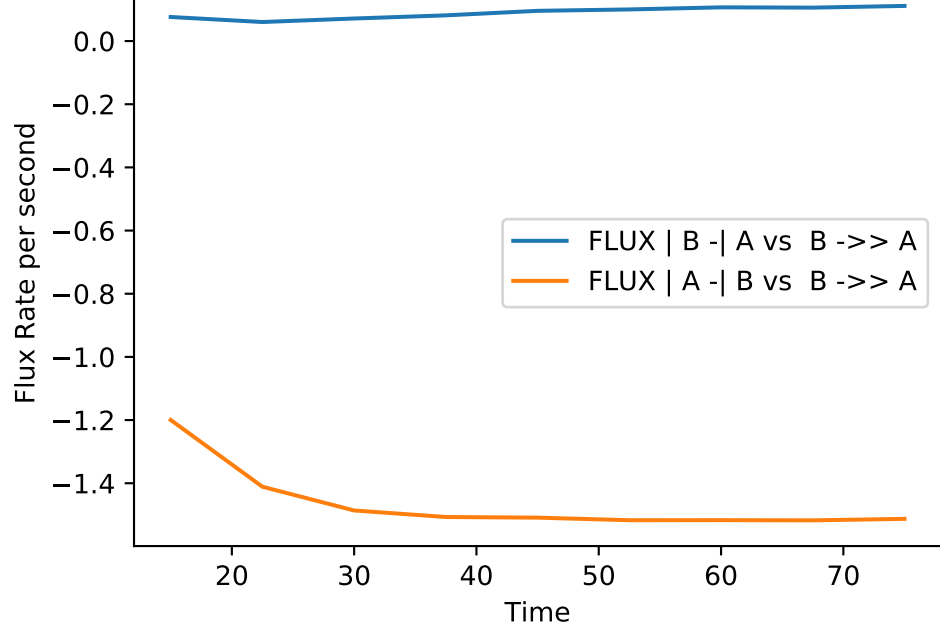
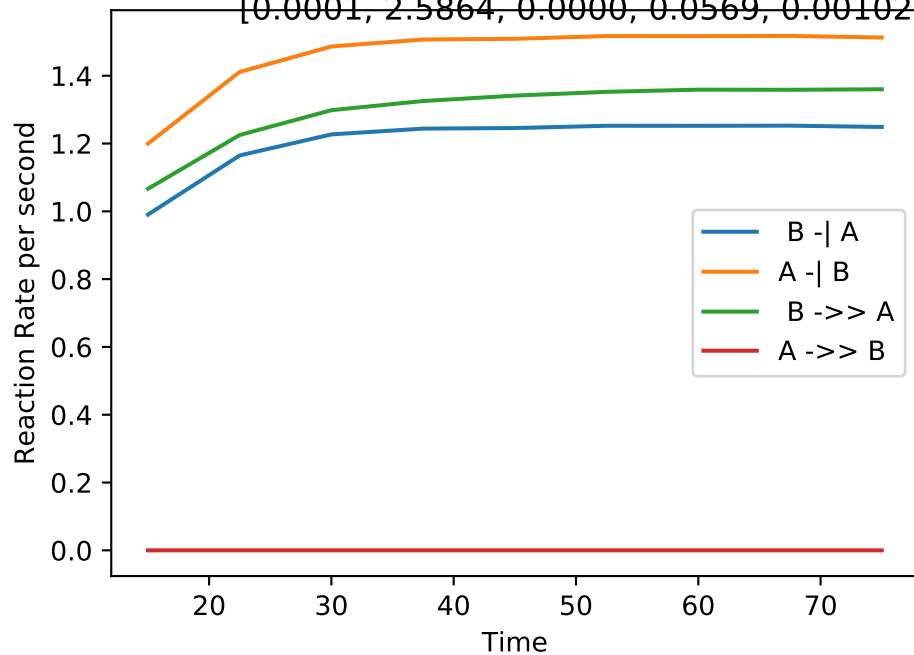
Single_up | MB-LLS Single_up(#32):

[0.0000, 2.2722, 0.0098, 0.1553, 0.001141, 0.0004836, 0.0376, 0.0096, 0.1098, 0.0000]



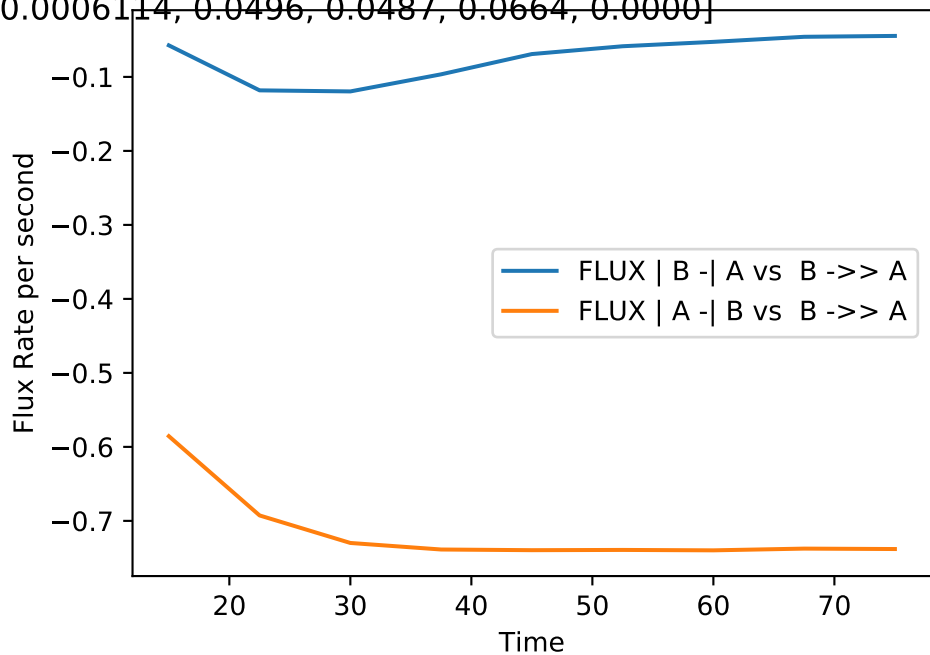
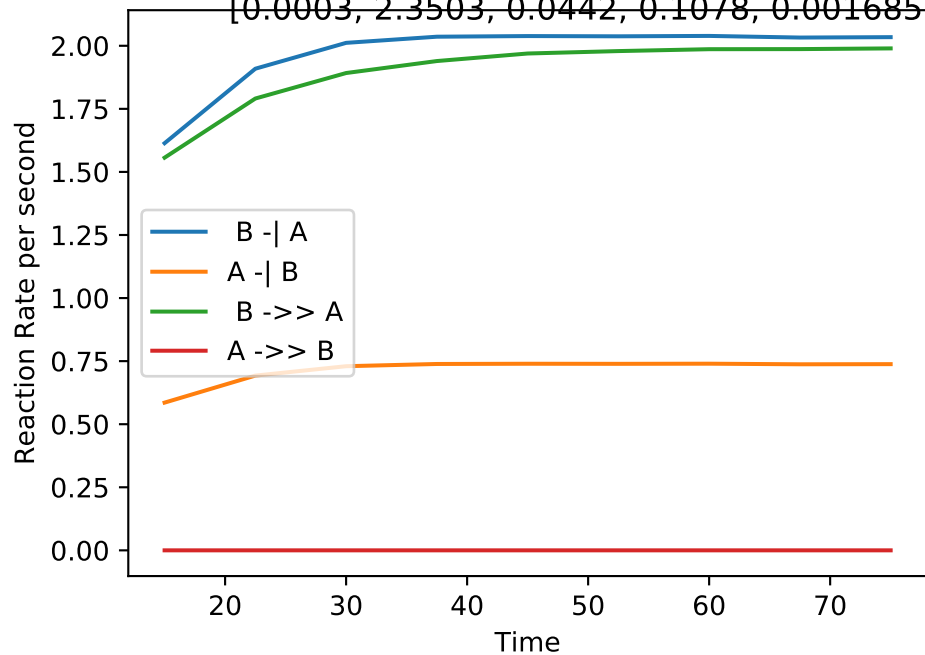
Single_up | MB-LLS Single_up(#33):

[0.0001, 2.5864, 0.0000, 0.0569, 0.001028, 0.001245, 0.0339, 0.0003, 0.0306, 0.0000]



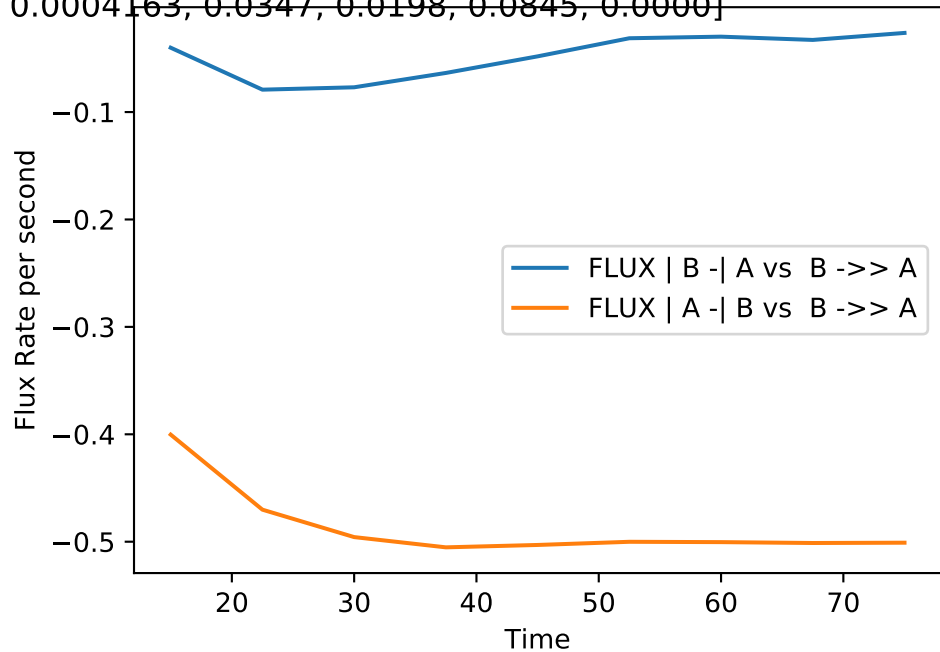
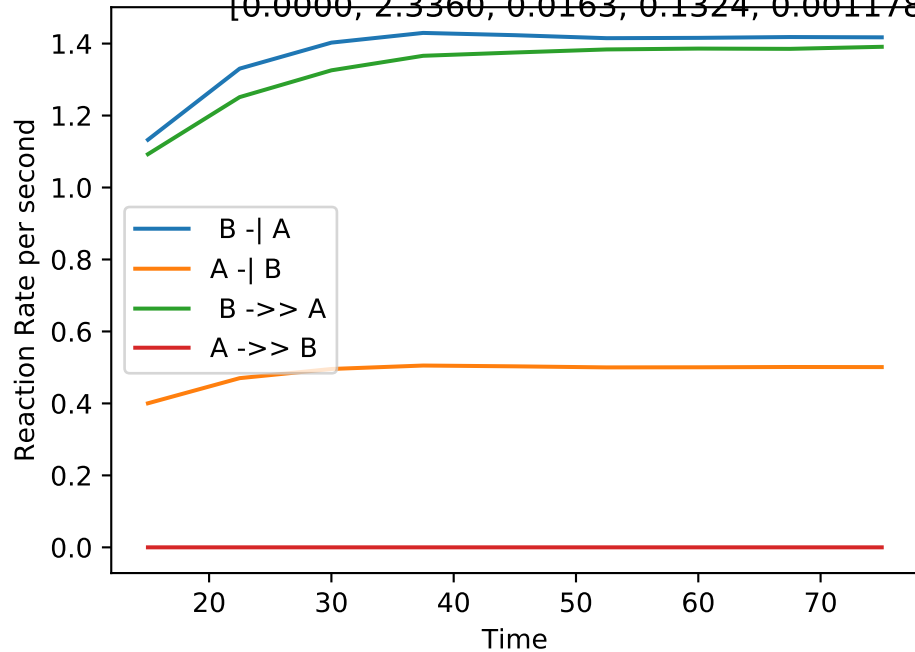
Single_up | MB-LLS Single_up(#34):

[0.0003, 2.3503, 0.0442, 0.1078, 0.001685, 0.0006114, 0.0496, 0.0487, 0.0664, 0.0000]



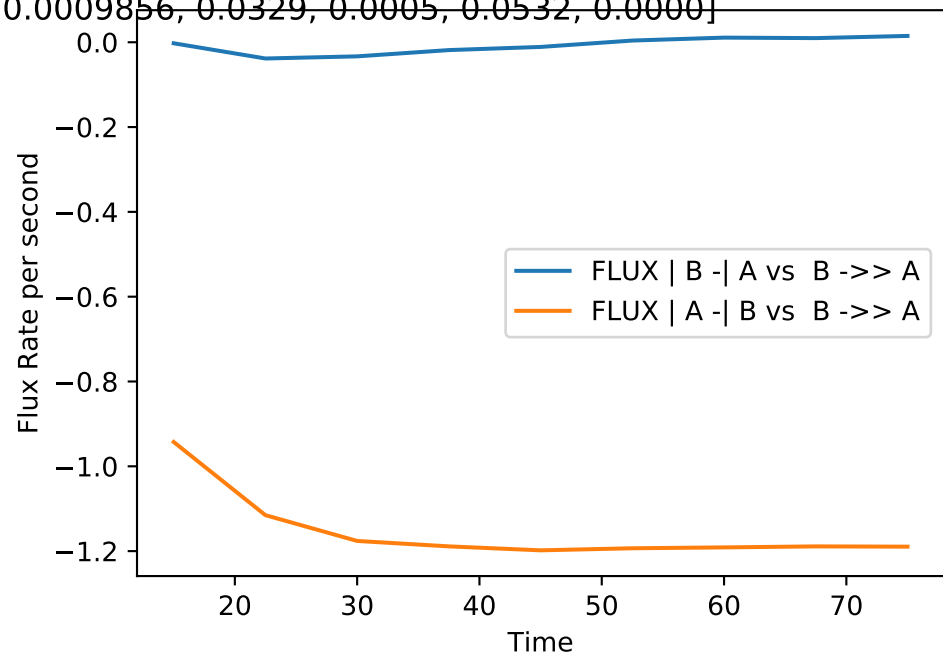
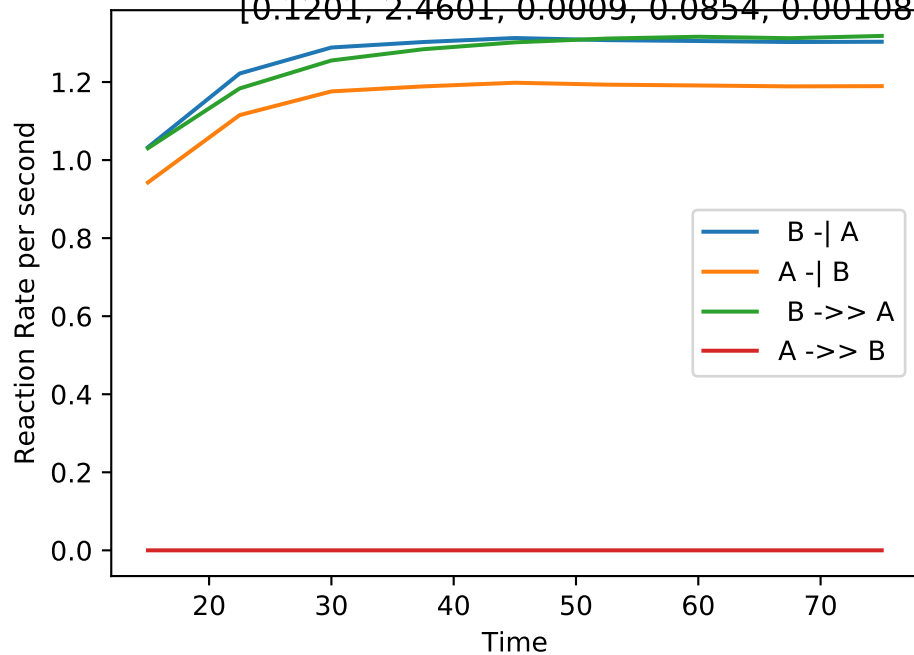
Single_up | MB-LLS Single_up(#35):

[0.0000, 2.3360, 0.0163, 0.1324, 0.001178, 0.0004163, 0.0347, 0.0198, 0.0845, 0.0000]



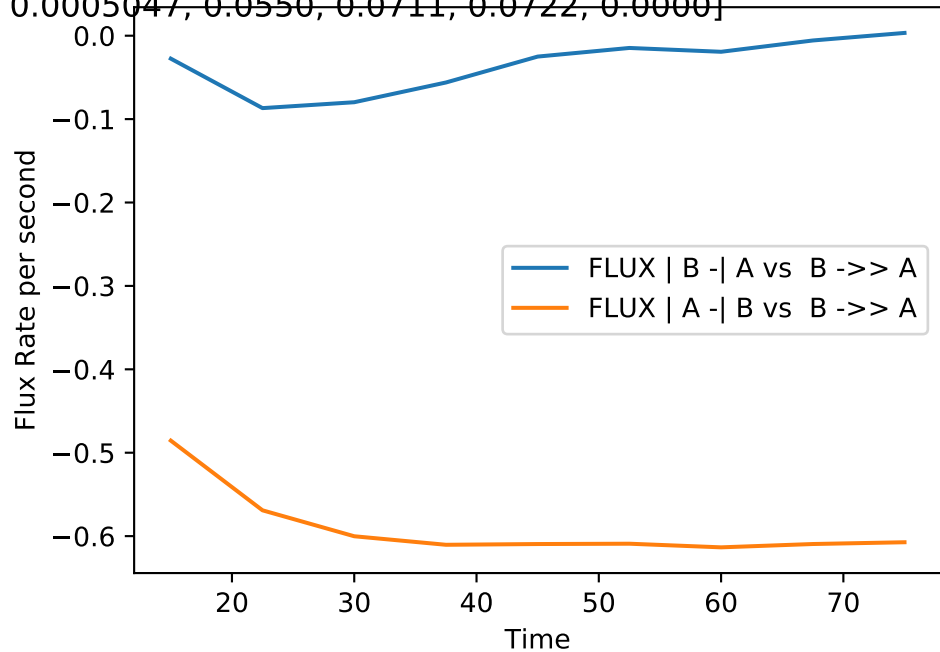
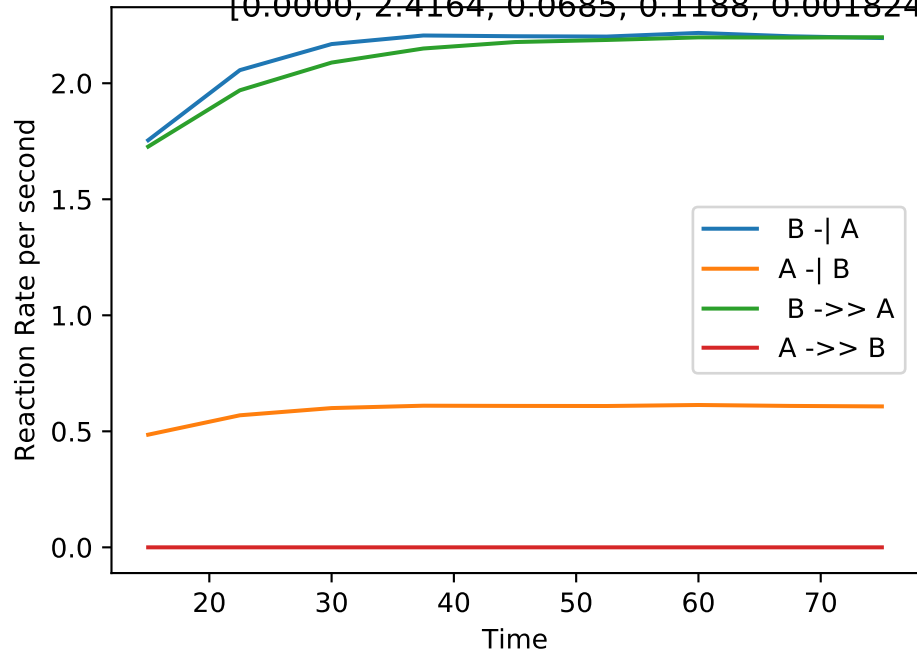
Single_up | MB-LLS Single_up(#36):

[0.1201, 2.4601, 0.0009, 0.0854, 0.00108, 0.0009856, 0.0329, 0.0005, 0.0532, 0.0000]



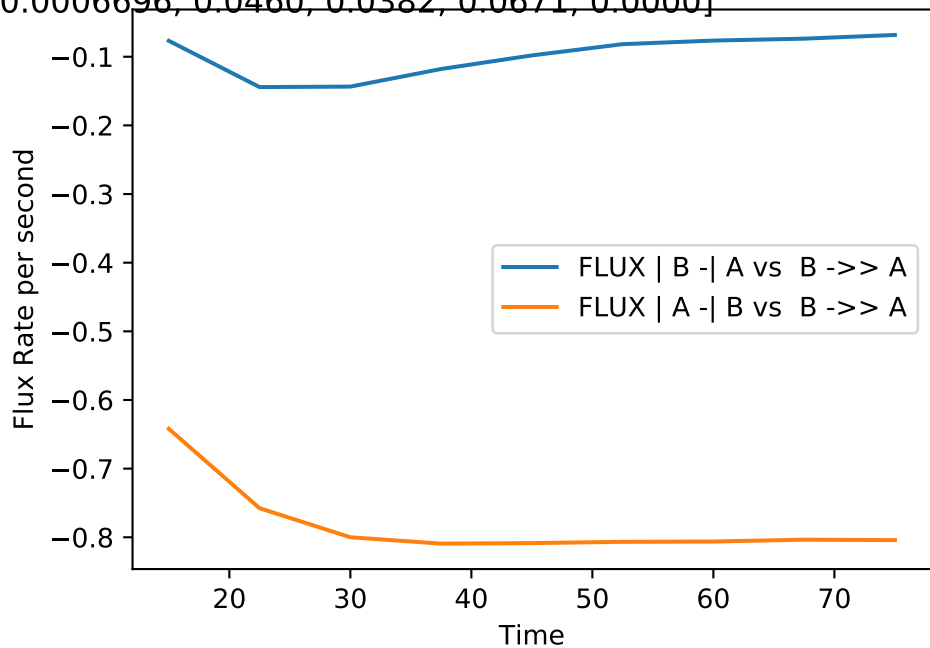
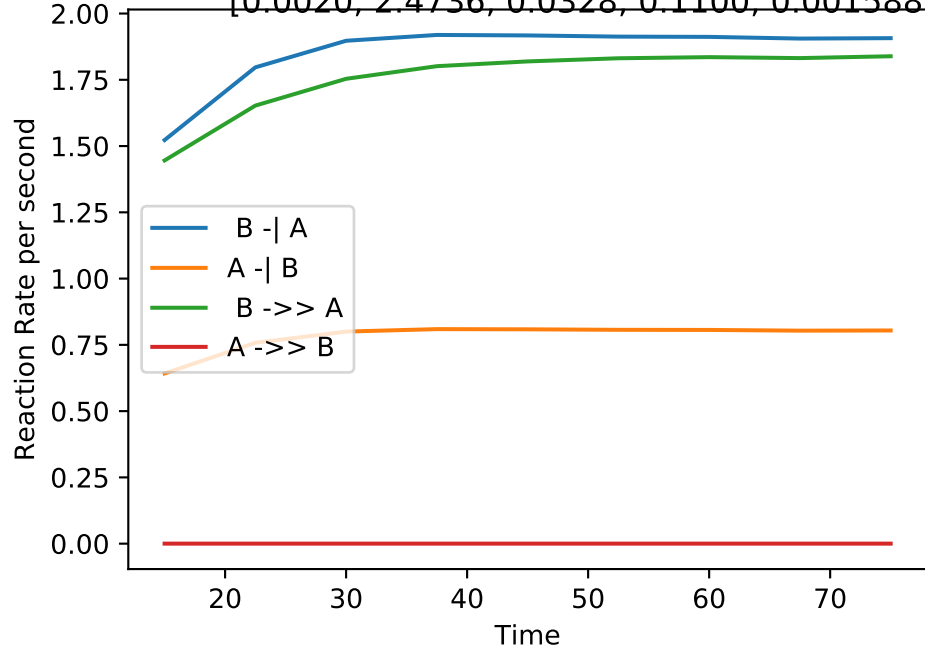
Single_up | MB-LLS Single_up(#37):

[0.0000, 2.4164, 0.0685, 0.1188, 0.001824, 0.0005047, 0.0550, 0.0711, 0.0722, 0.0000]



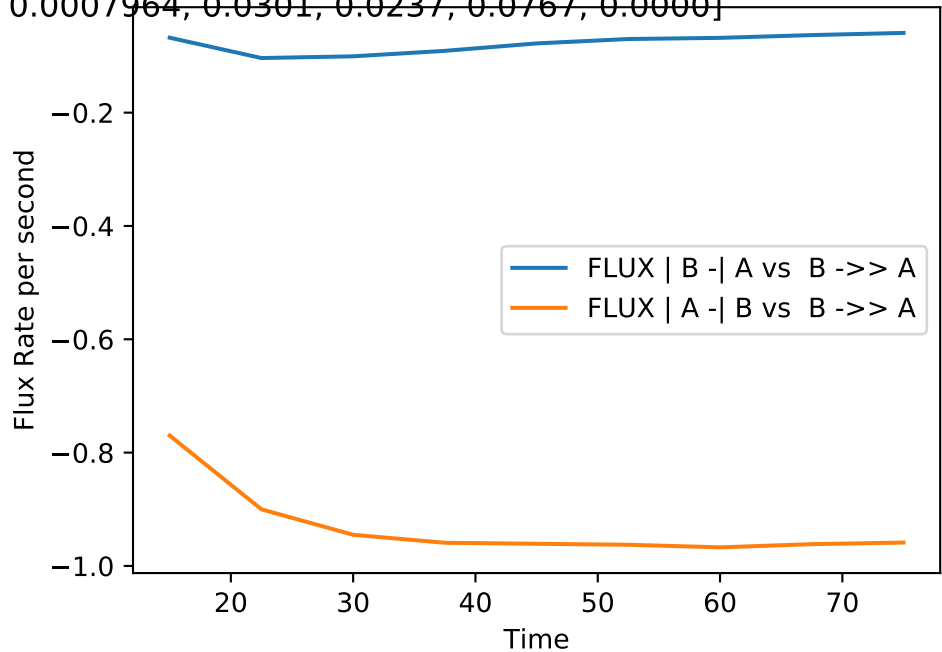
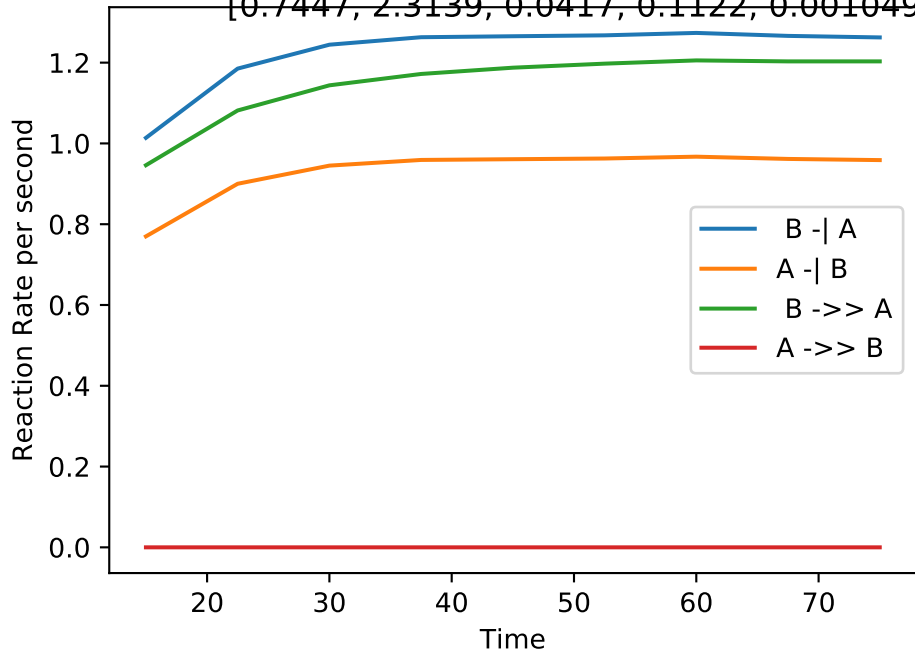
Single_up | MB-LLS Single_up(#38):

[0.0020, 2.4736, 0.0328, 0.1100, 0.001588, 0.0006696, 0.0460, 0.0382, 0.0671, 0.0000]



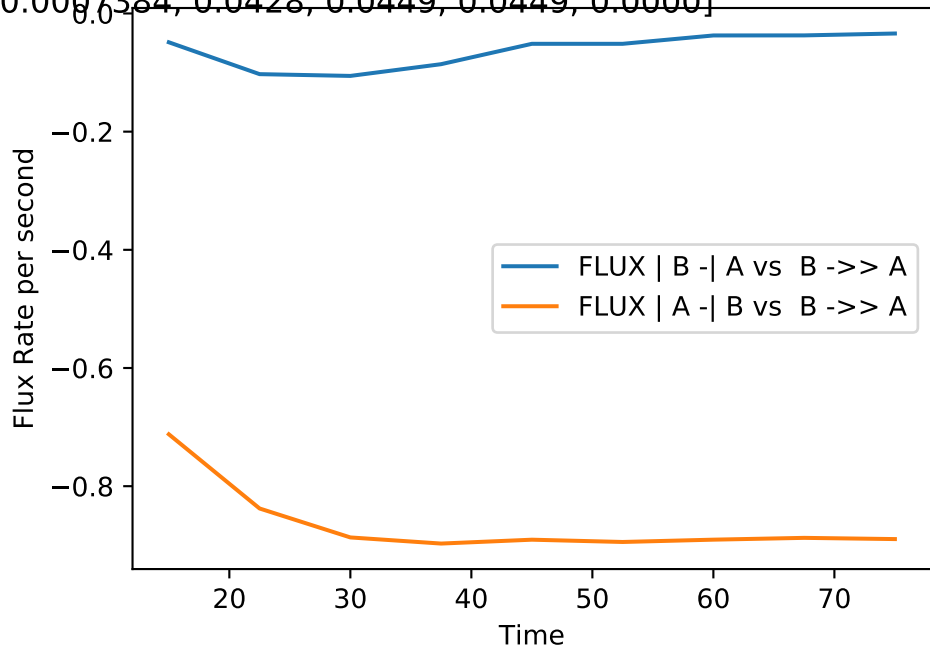
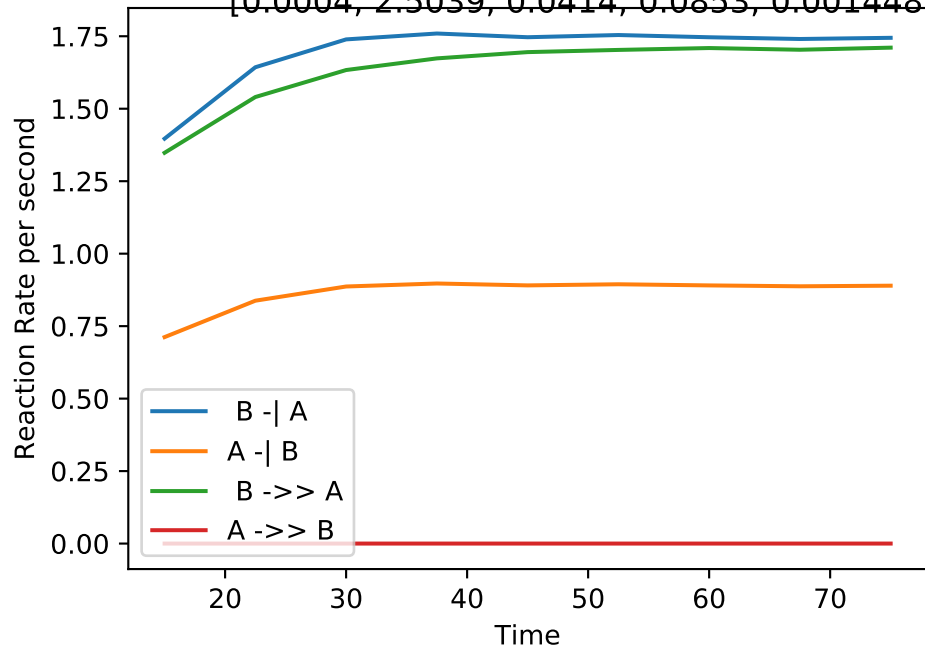
Single_up | MB-LLS Single_up(#39):

[0.7447, 2.3139, 0.0417, 0.1122, 0.001049, 0.0007964, 0.0301, 0.0237, 0.0767, 0.0000]



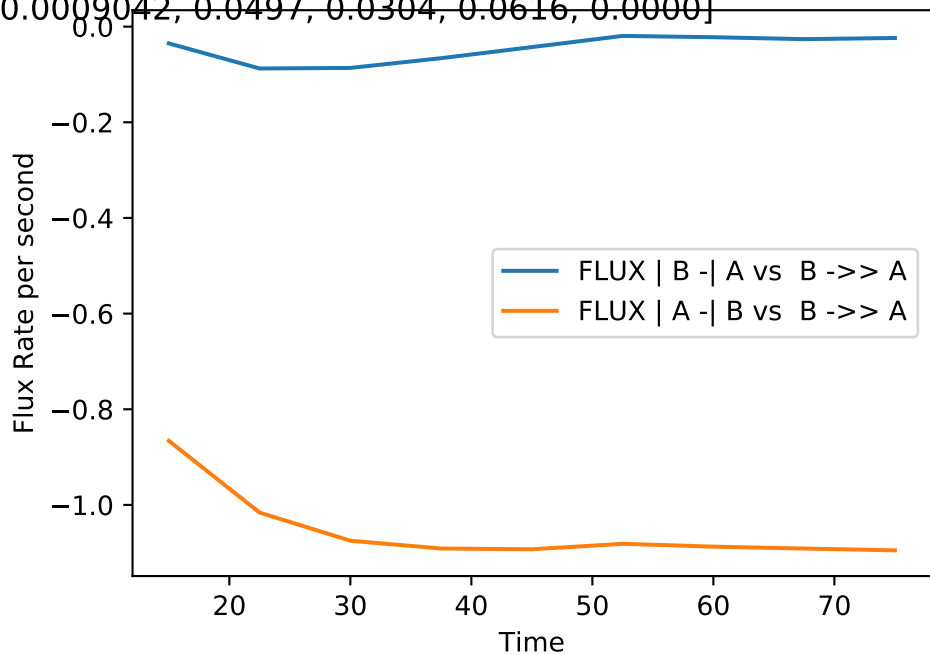
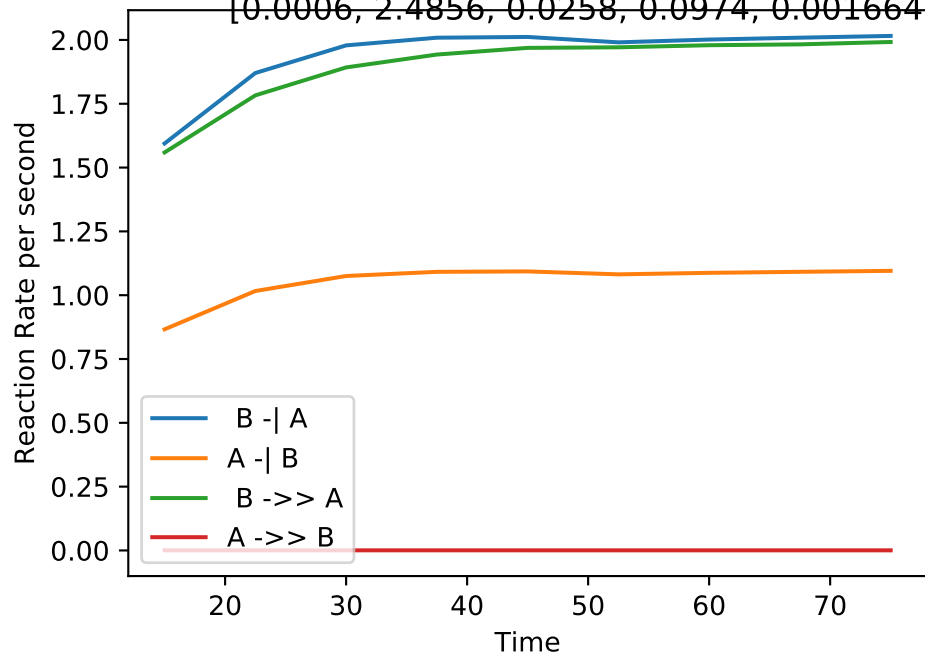
Single_up | MB-LLS Single_up(#40):

[0.0004, 2.5039, 0.0414, 0.0853, 0.001448, 0.0007384, 0.0428, 0.0449, 0.0449, 0.0000]



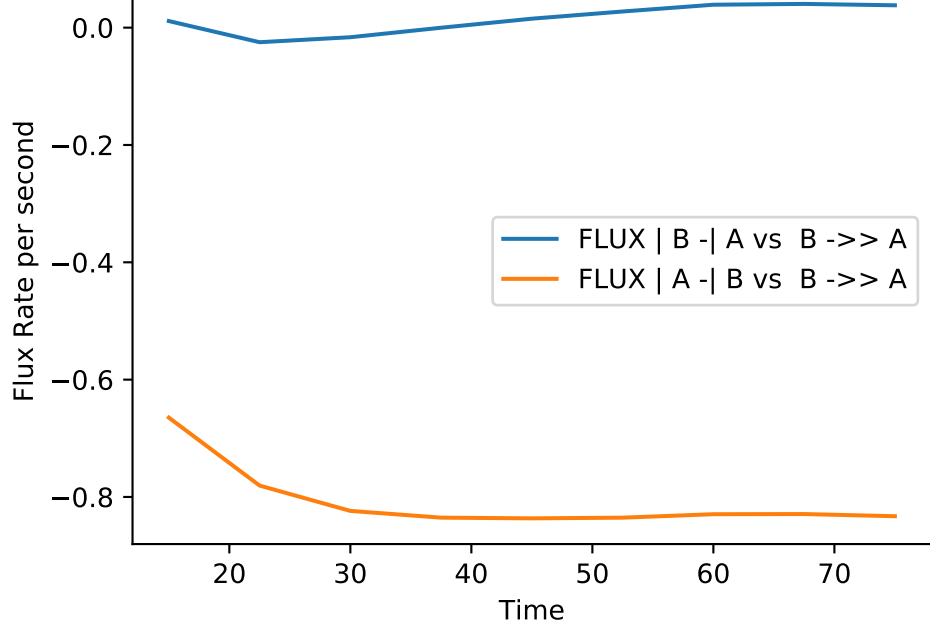
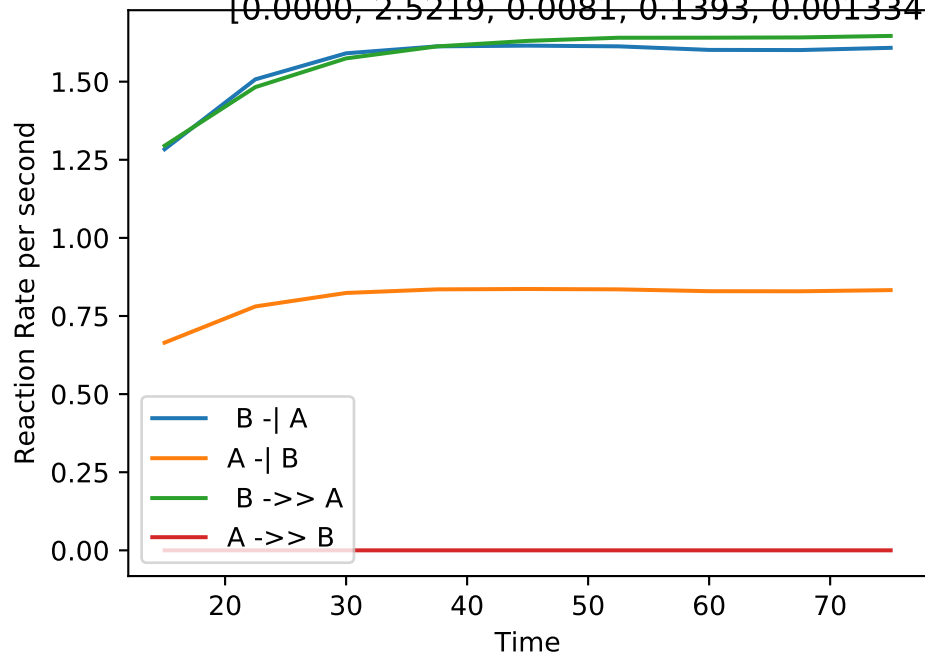
Single_up | MB-LLS Single_up(#41):

[0.0006, 2.4856, 0.0258, 0.0974, 0.001664, 0.0009042, 0.0497, 0.0304, 0.0616, 0.0000]



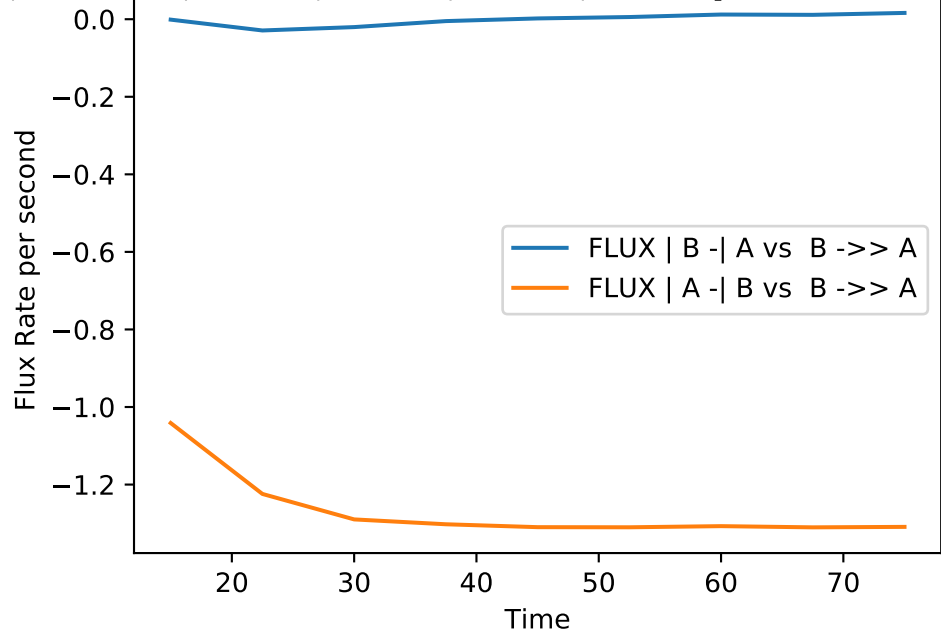
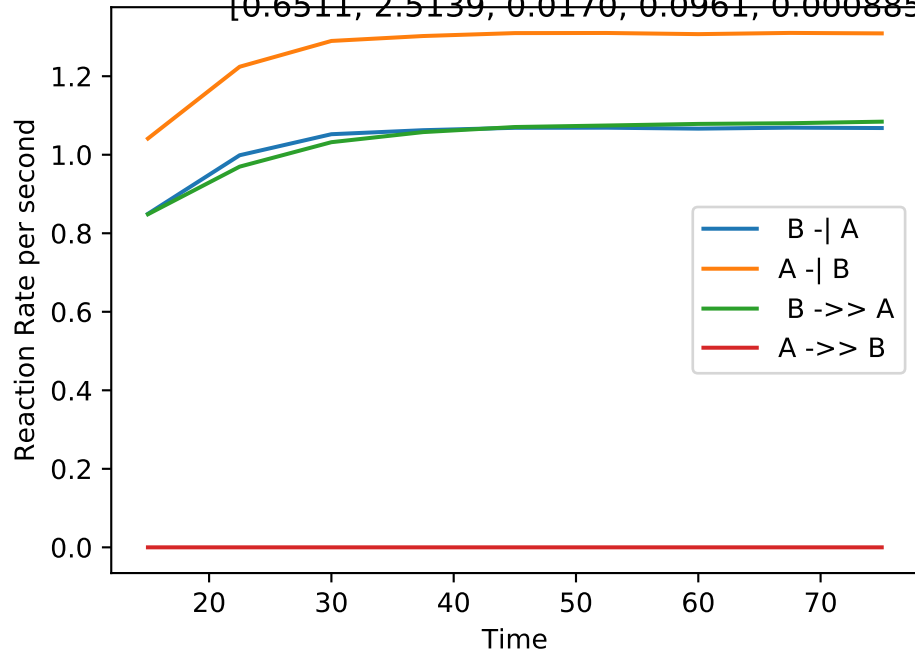
Single_up | MB-LLS Single_up(#42):

[0.0000, 2.5219, 0.0081, 0.1393, 0.001334, 0.0006906, 0.0412, 0.0110, 0.0945, 0.0000]



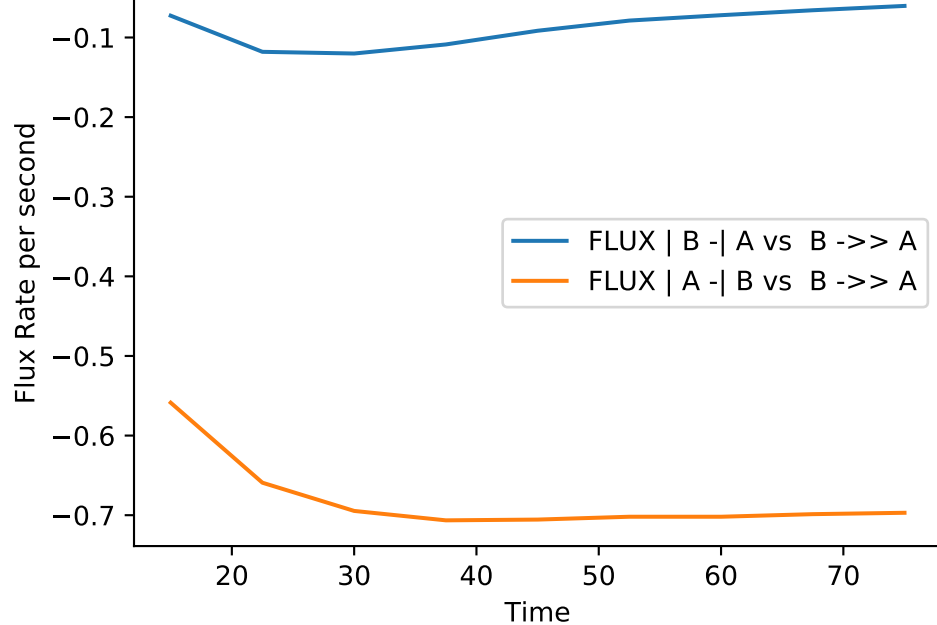
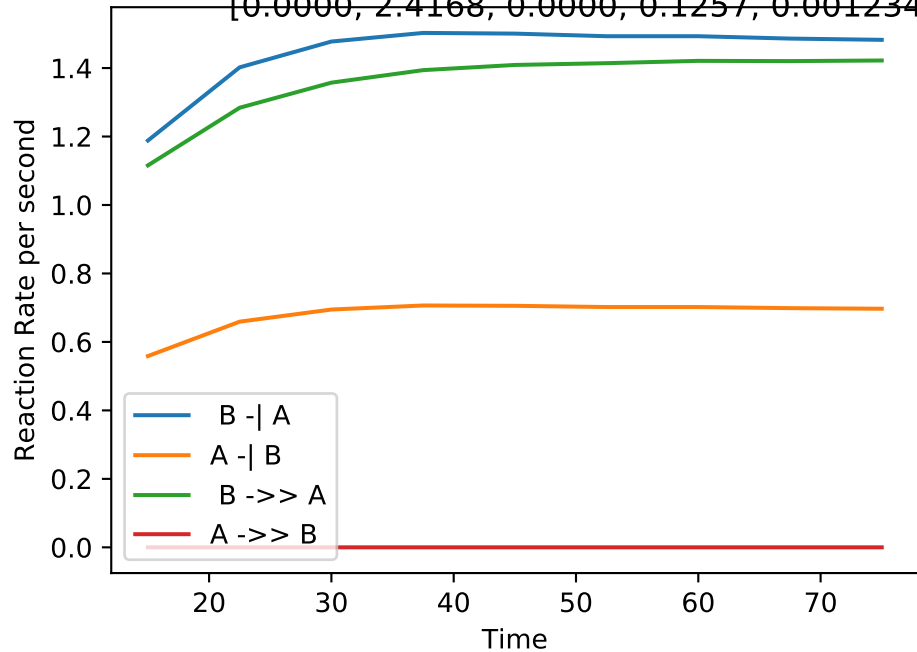
Single_up | MB-LLS Single_up(#43):

[0.6511, 2.5139, 0.0170, 0.0961, 0.0008851, 0.001085, 0.0271, 0.0000, 0.0649, 0.0000]



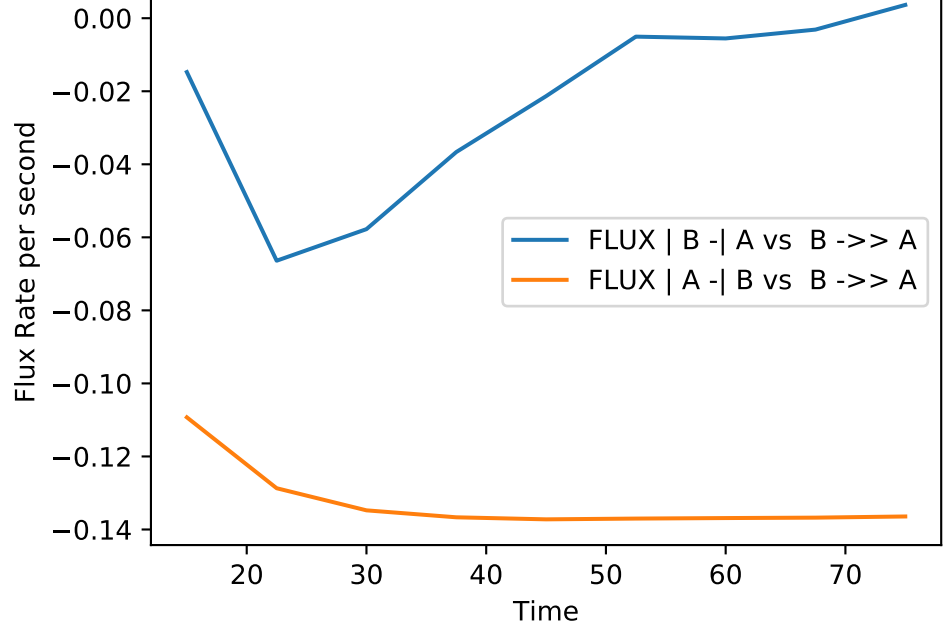
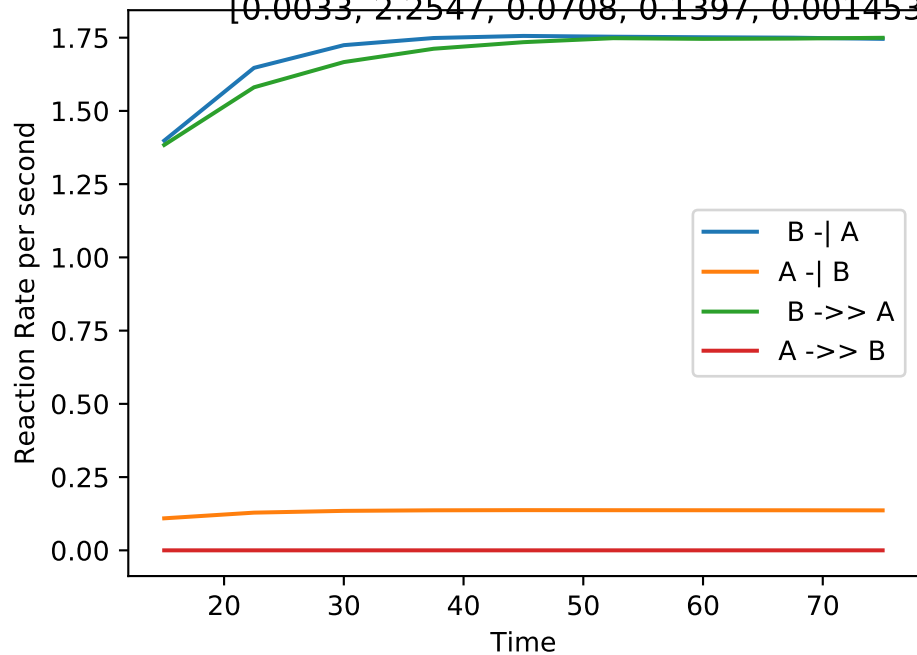
Single_up | MB-LLS Single_up(#44):

[0.0000, 2.4168, 0.0000, 0.1257, 0.001234, 0.0005802, 0.0356, 0.0056, 0.0809, 0.0000]



Single_up | MB-LLS Single_up(#45):

[0.0033, 2.2547, 0.0708, 0.1397, 0.001453, 0.0001136, 0.0439, 0.0715, 0.0844, 0.0000]



Single_up | MB-LLS Single_up(#46):

[0.0000, 2.4179, 0.0501, 0.1254, 0.001699, 0.0005615, 0.0521, 0.0521, 0.0799, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

Time



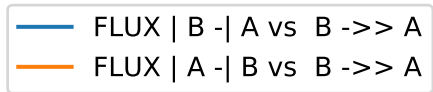
Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7

20

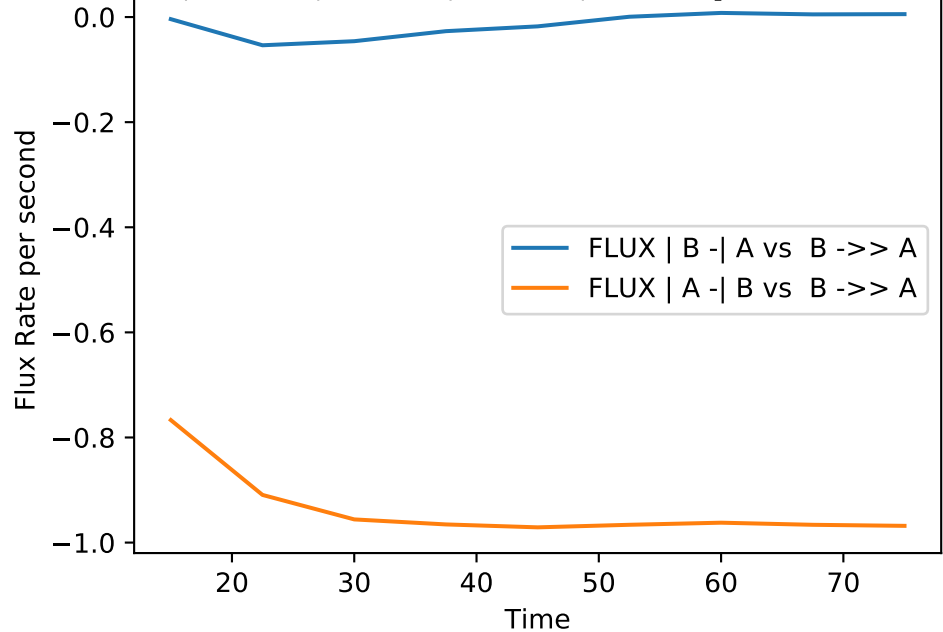
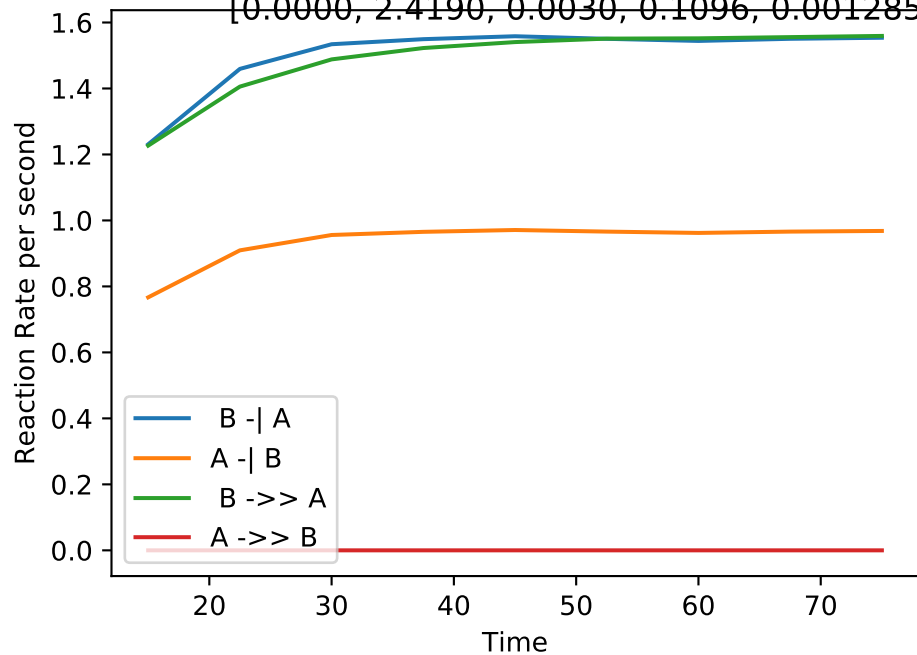
30

Time



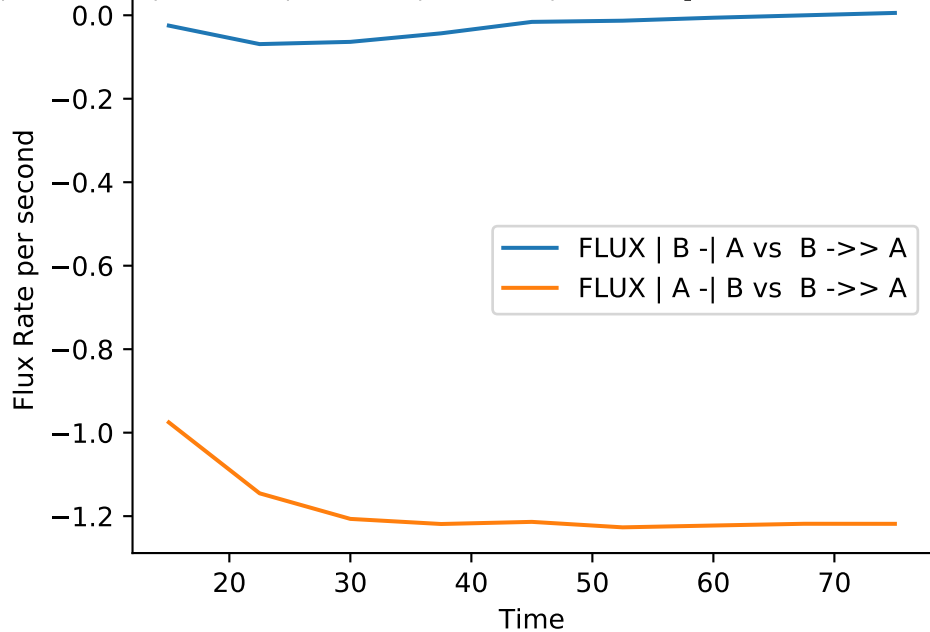
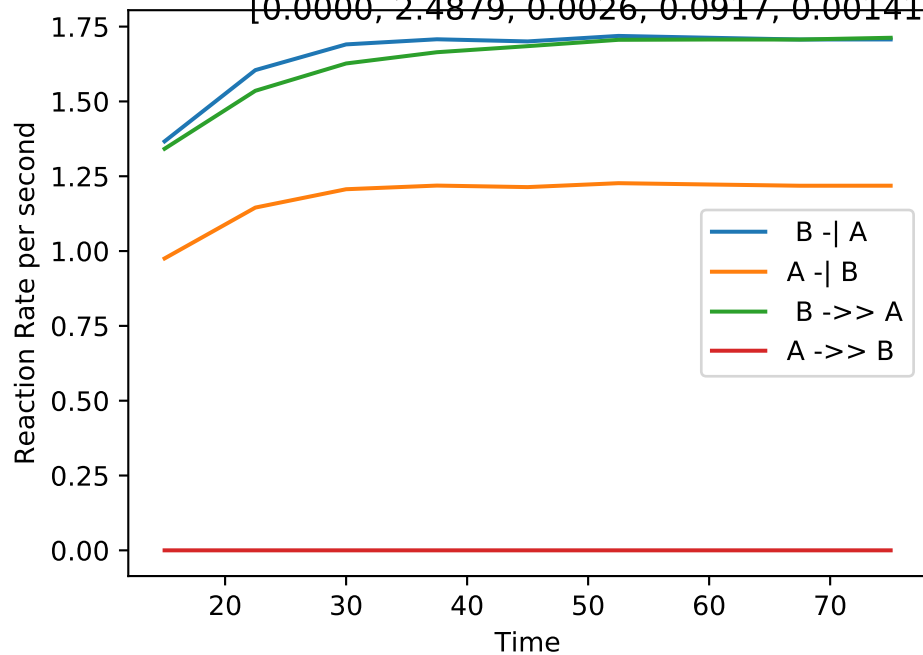
Single_up | MB-LLS Single_up(#47):

[0.0000, 2.4190, 0.0030, 0.1096, 0.001285, 0.0008007, 0.0390, 0.0067, 0.0717, 0.0000]



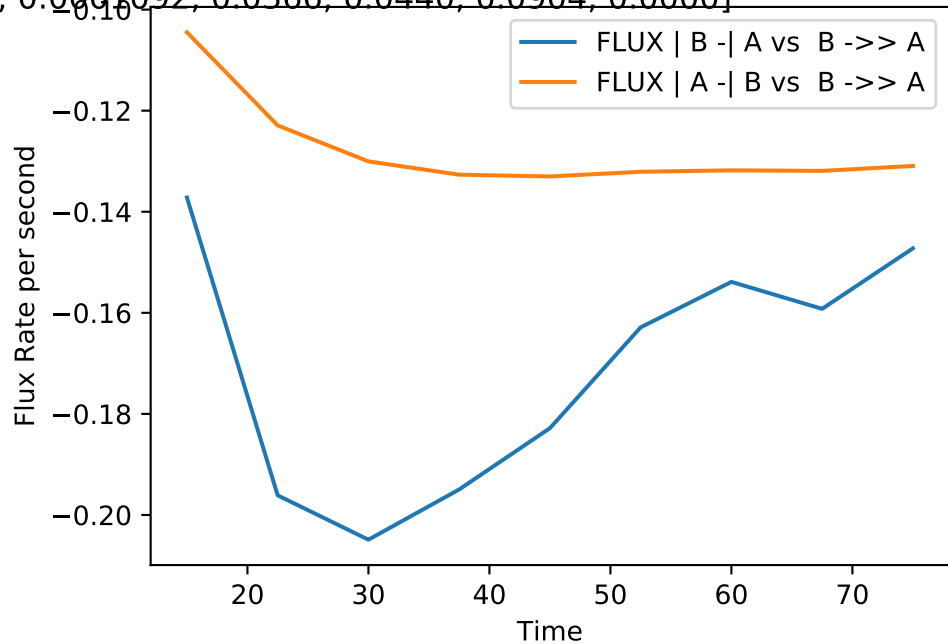
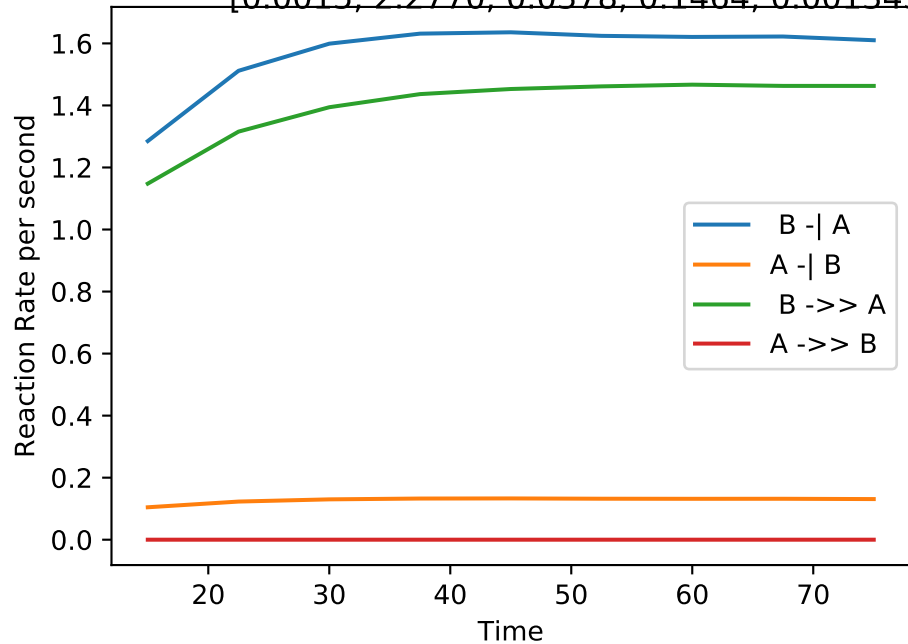
Single_up | MB-LLS Single_up(#48):

[0.0000, 2.4879, 0.0026, 0.0917, 0.001416, 0.00101, 0.0427, 0.0071, 0.0592, 0.0000]



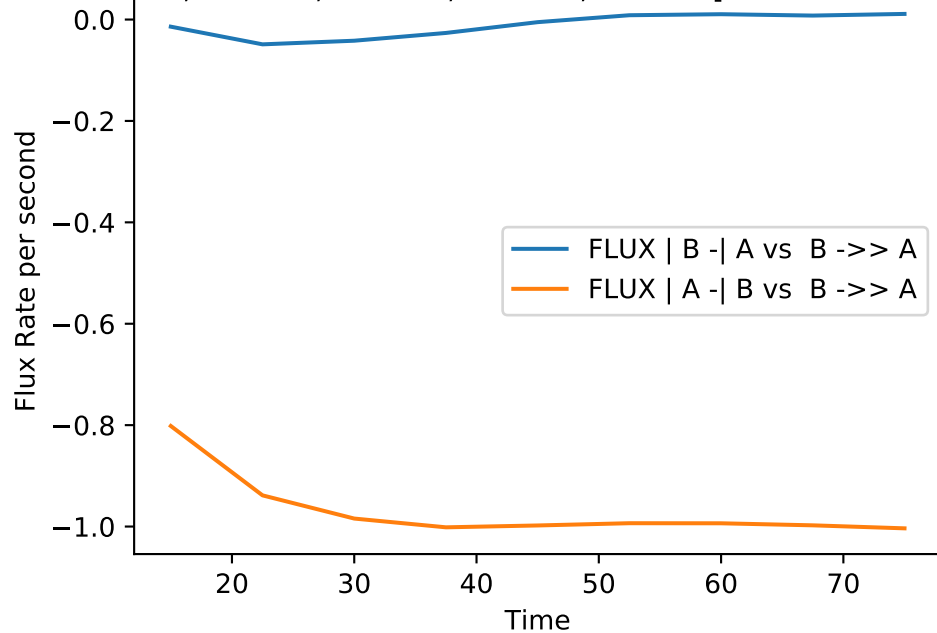
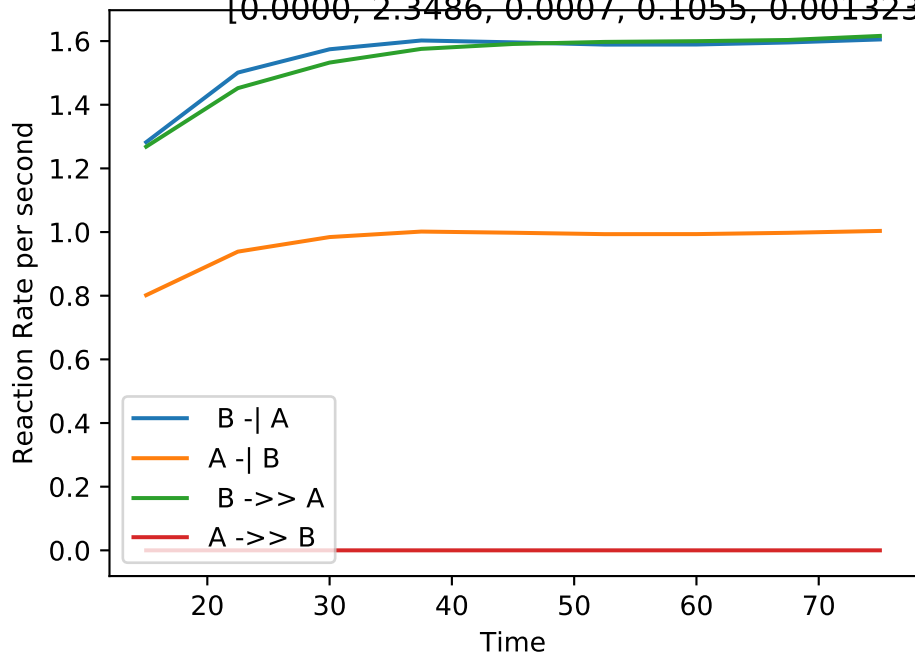
Single_up | MB-LLS Single_up(#49):

[0.0015, 2.2770, 0.0378, 0.1464, 0.001343, 0.0001092, 0.0366, 0.0440, 0.0904, 0.0000]



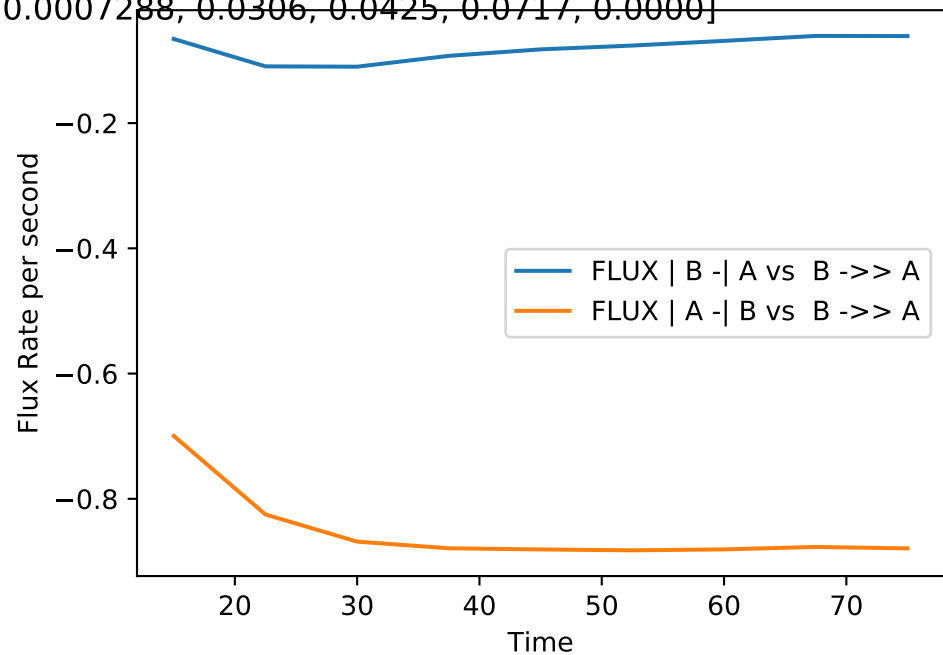
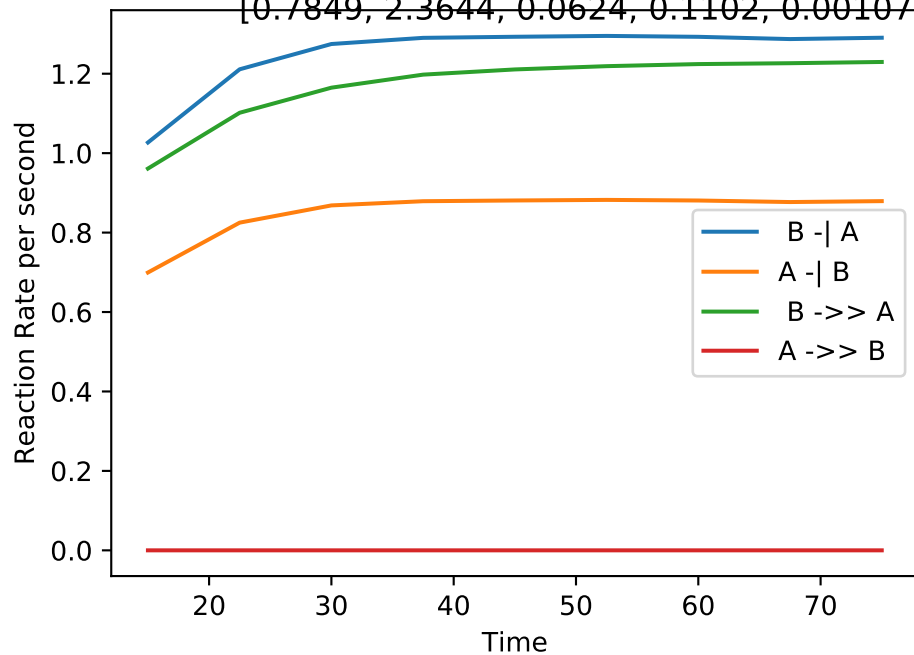
Single_up | MB-LLS Single_up(#50):

[0.0000, 2.3486, 0.0007, 0.1055, 0.001323, 0.0008275, 0.0402, 0.0045, 0.0703, 0.0000]



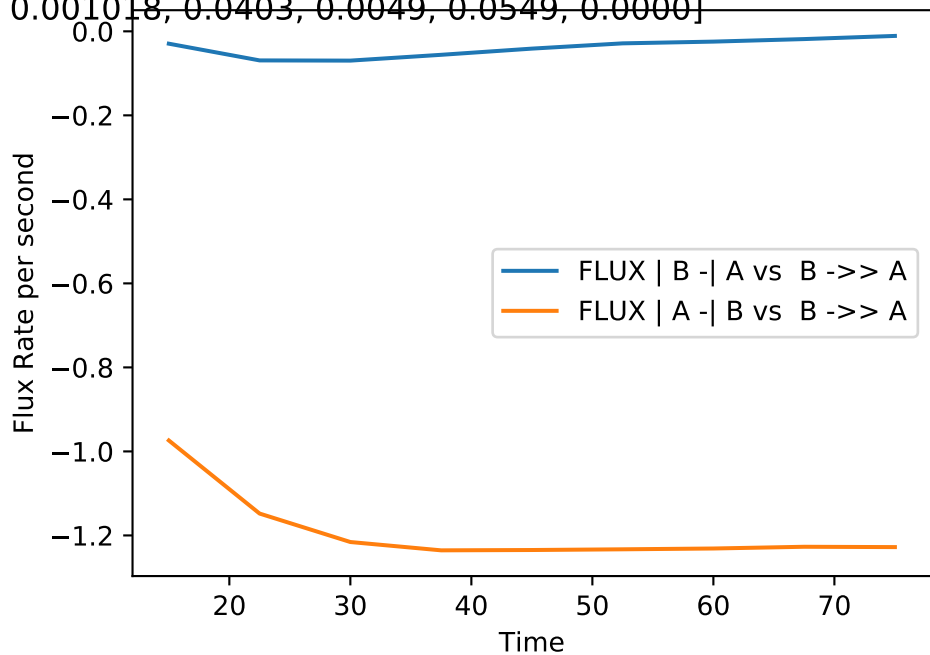
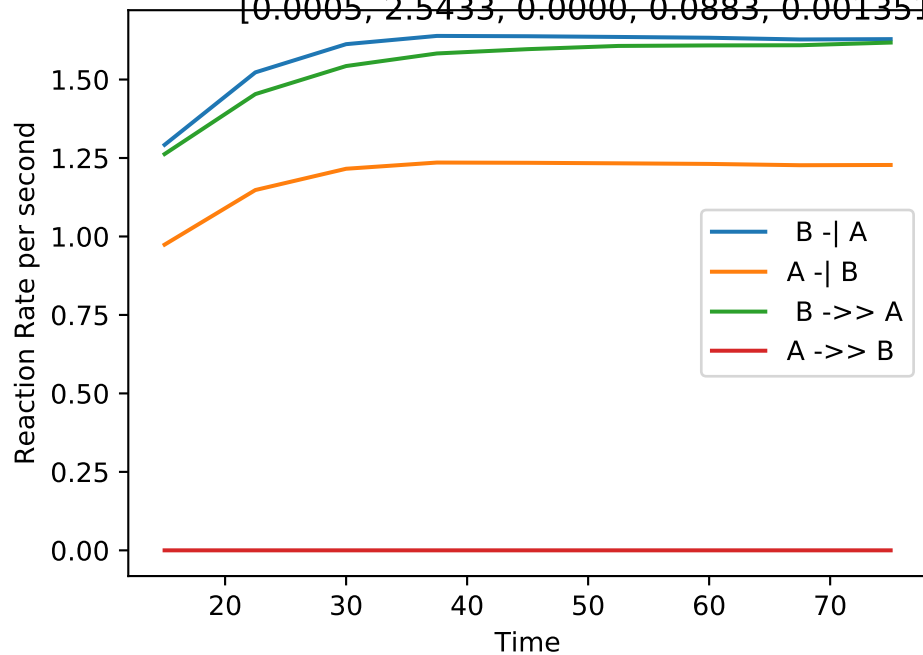
Single_up | MB-LLS Single_up(#51):

[0.7849, 2.3644, 0.0624, 0.1102, 0.00107, 0.0007288, 0.0306, 0.0425, 0.0717, 0.0000]



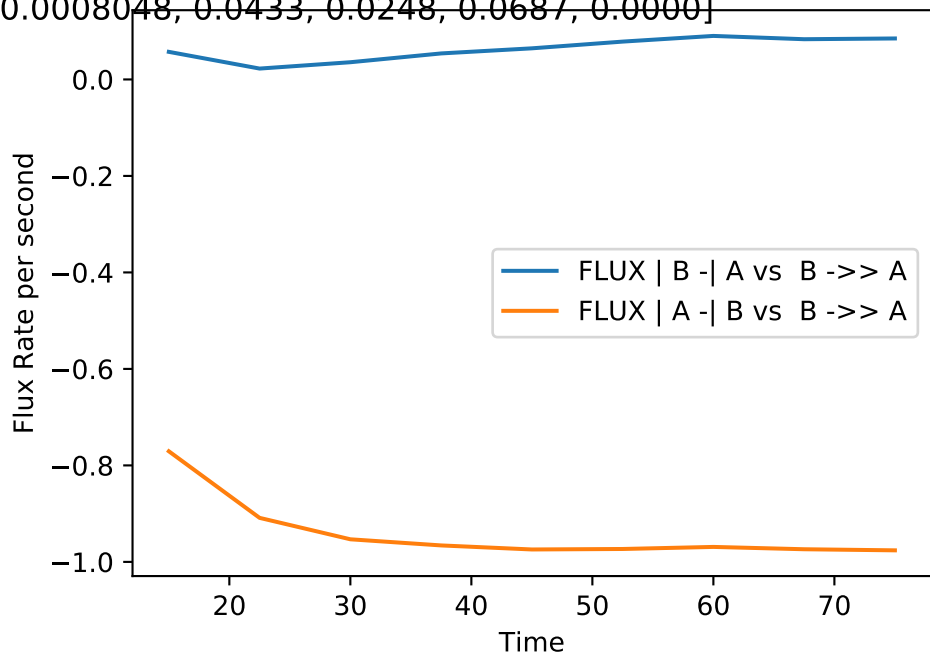
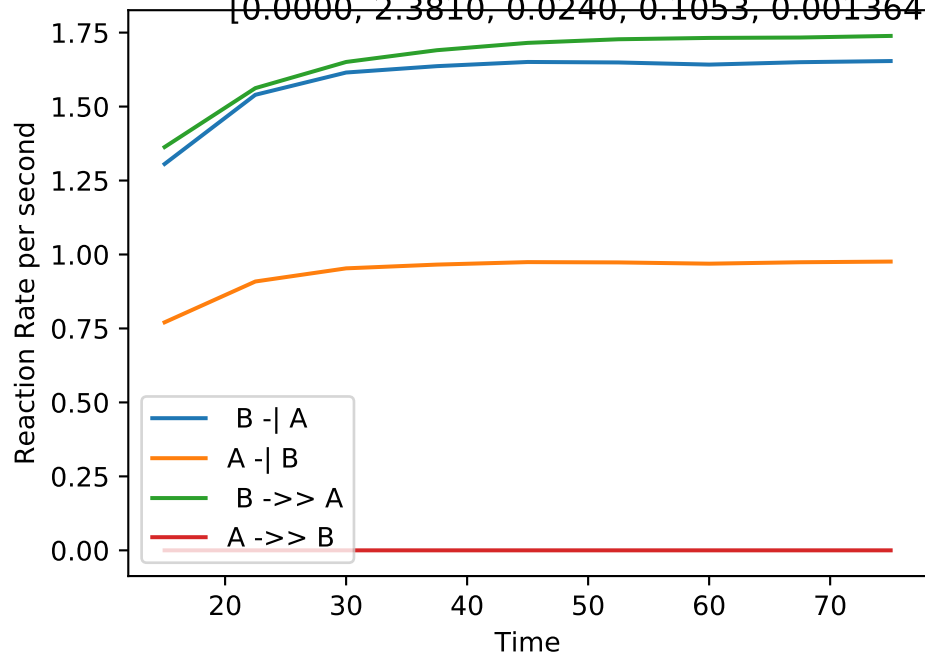
Single_up | MB-LLS Single_up(#52):

[0.0005, 2.5433, 0.0000, 0.0883, 0.001351, 0.001018, 0.0403, 0.0049, 0.0549, 0.0000]



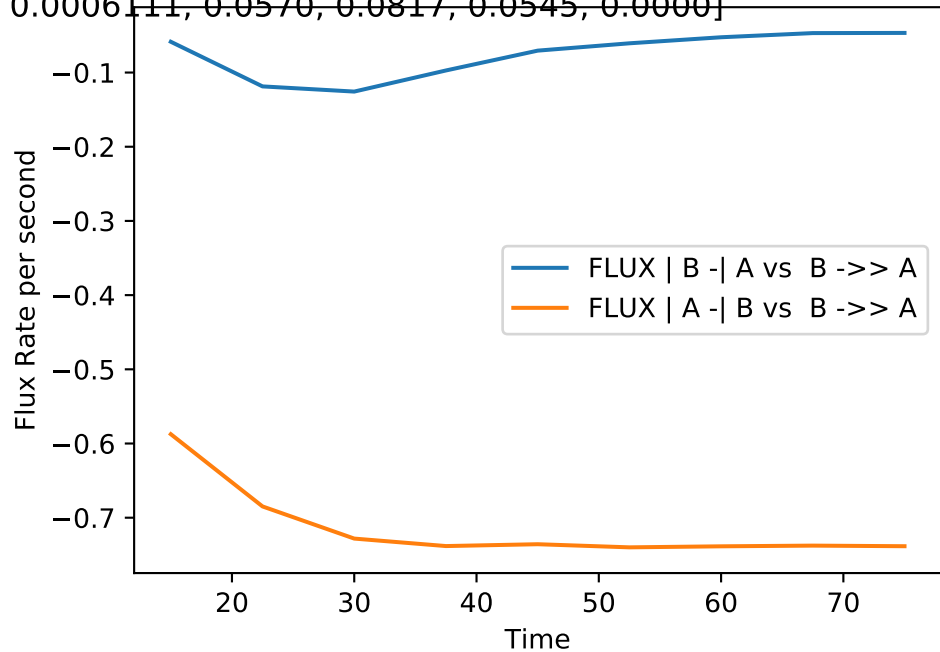
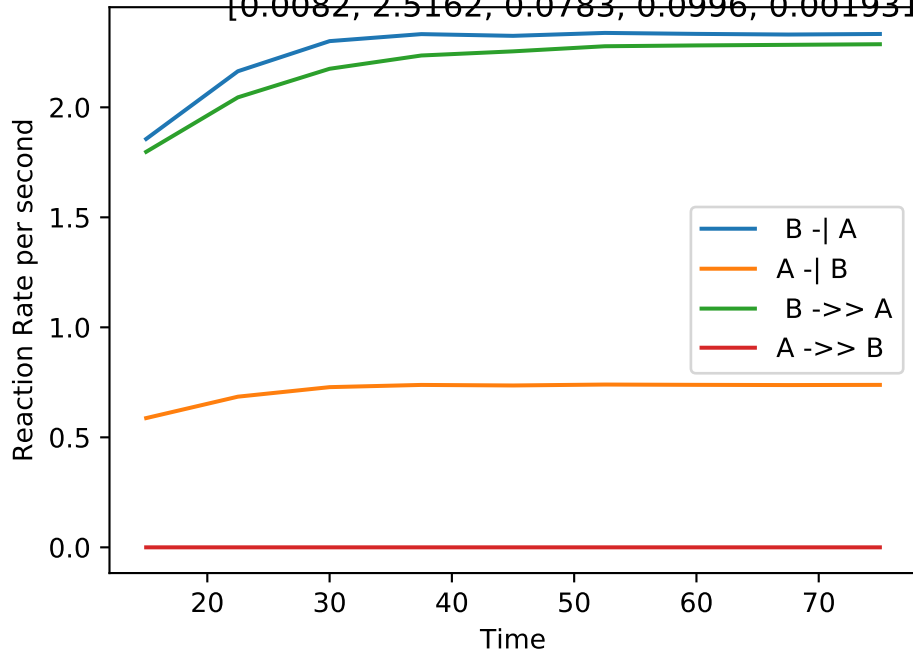
Single_up | MB-LLS Single_up(#53):

[0.0000, 2.3810, 0.0240, 0.1053, 0.001364, 0.0008048, 0.0433, 0.0248, 0.0687, 0.0000]



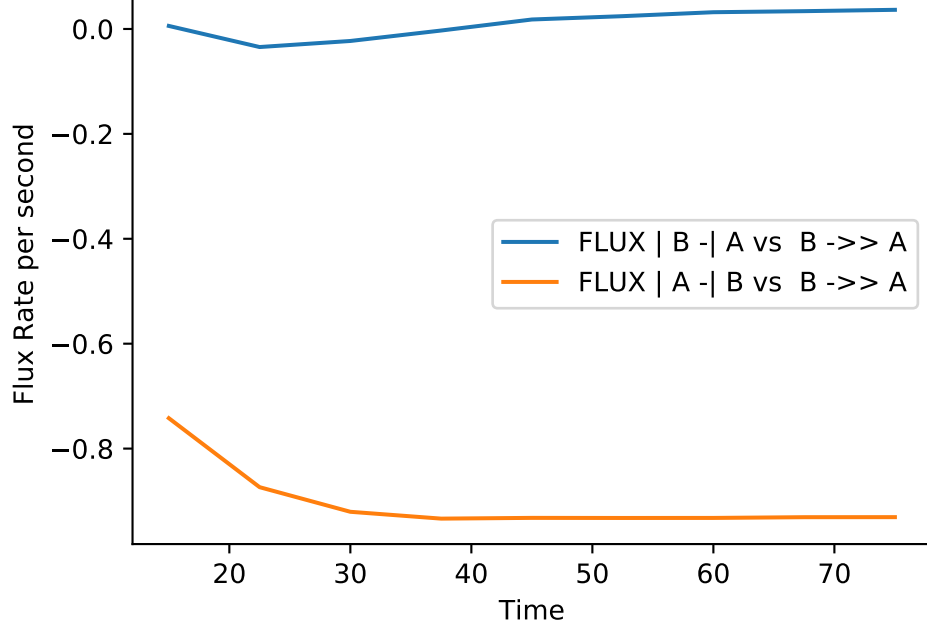
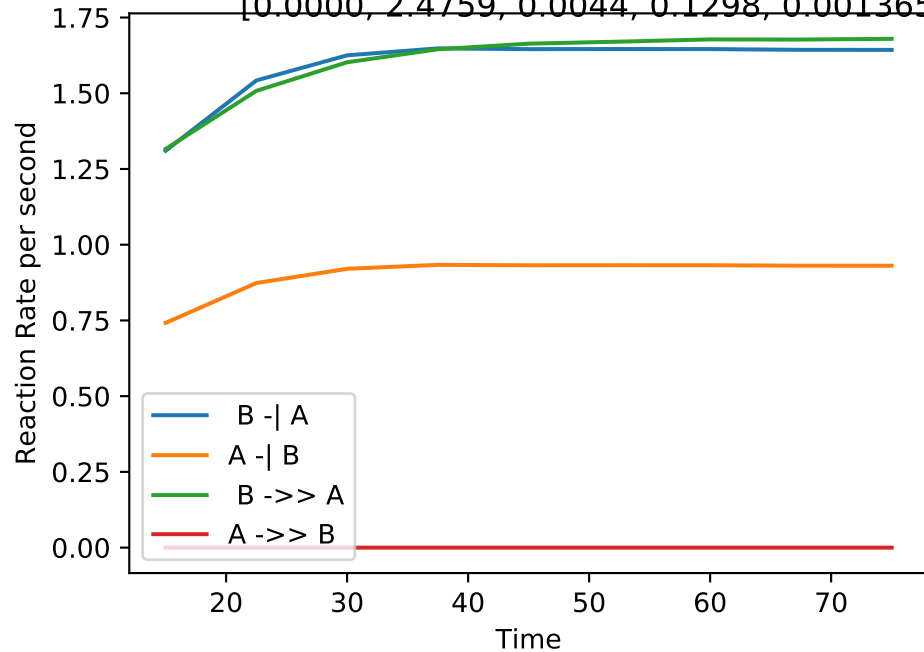
Single_up | MB-LLS Single_up(#54):

[0.0082, 2.5162, 0.0783, 0.0996, 0.001931, 0.0006111, 0.0570, 0.0817, 0.0545, 0.0000]



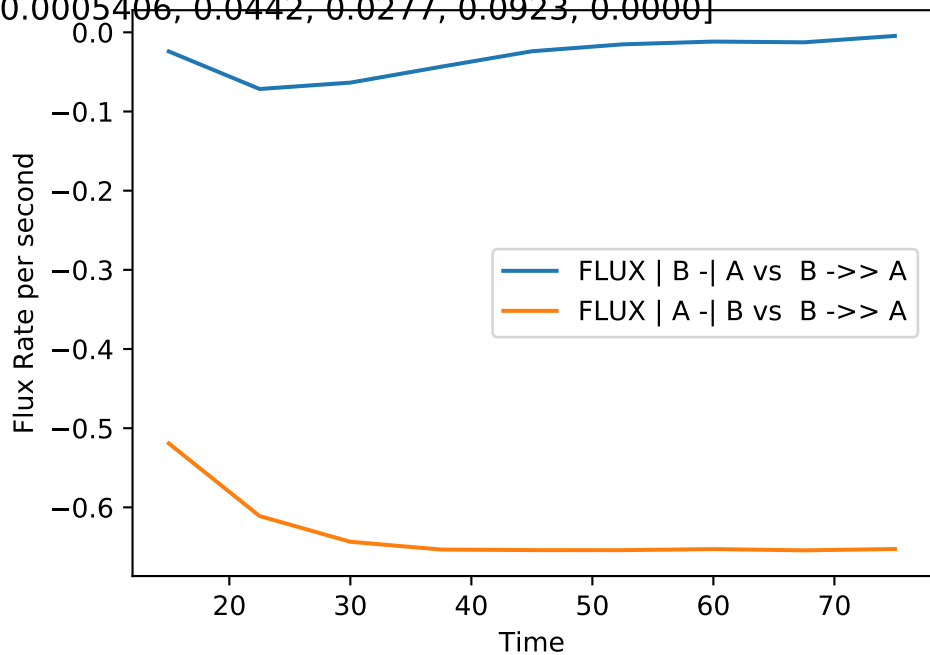
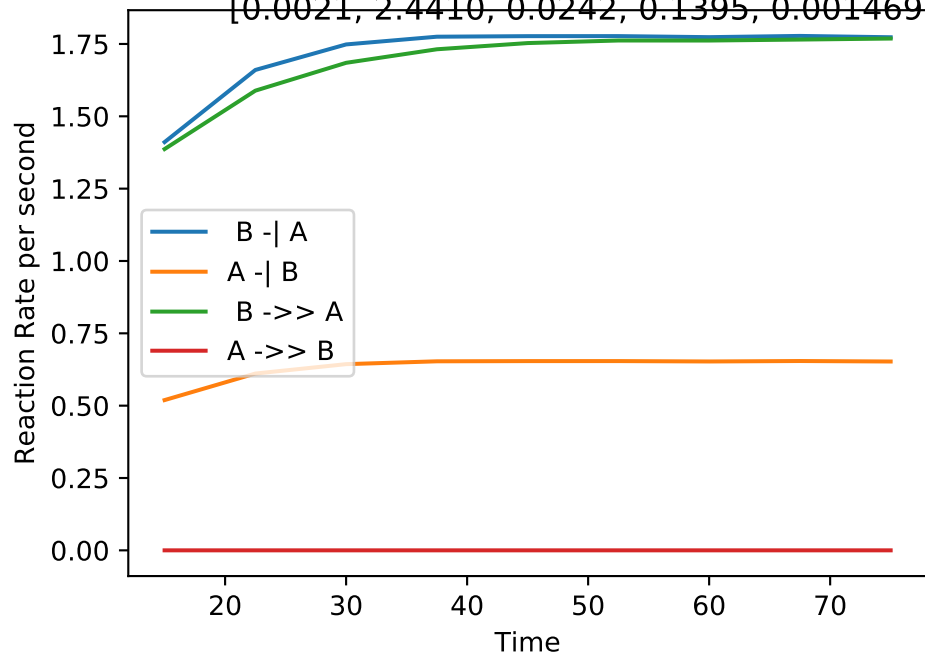
Single_up | MB-LLS Single_up(#55):

[0.0000, 2.4759, 0.0044, 0.1298, 0.001365, 0.000773, 0.0419, 0.0076, 0.0890, 0.0000]



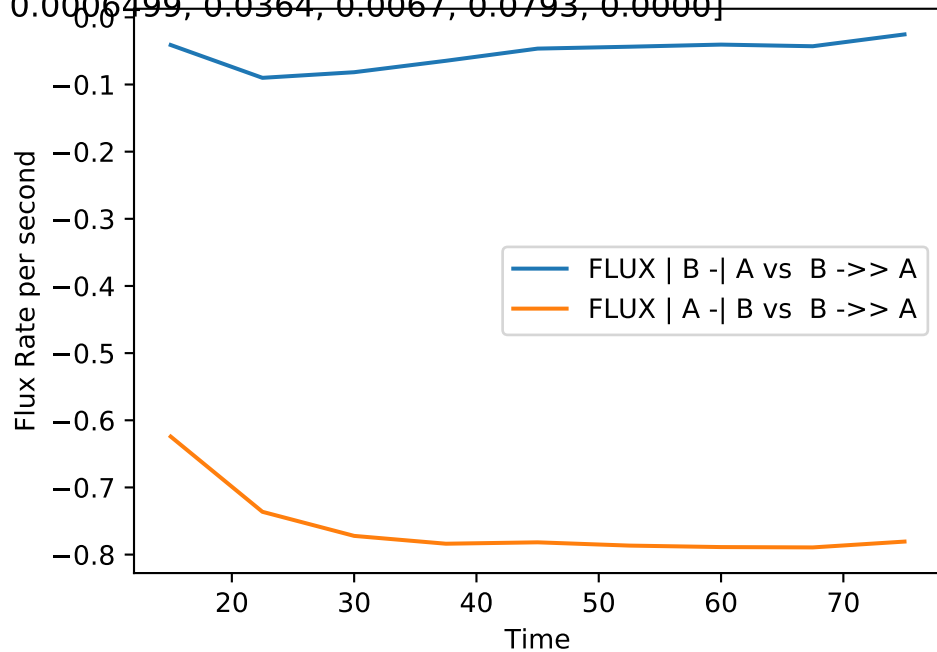
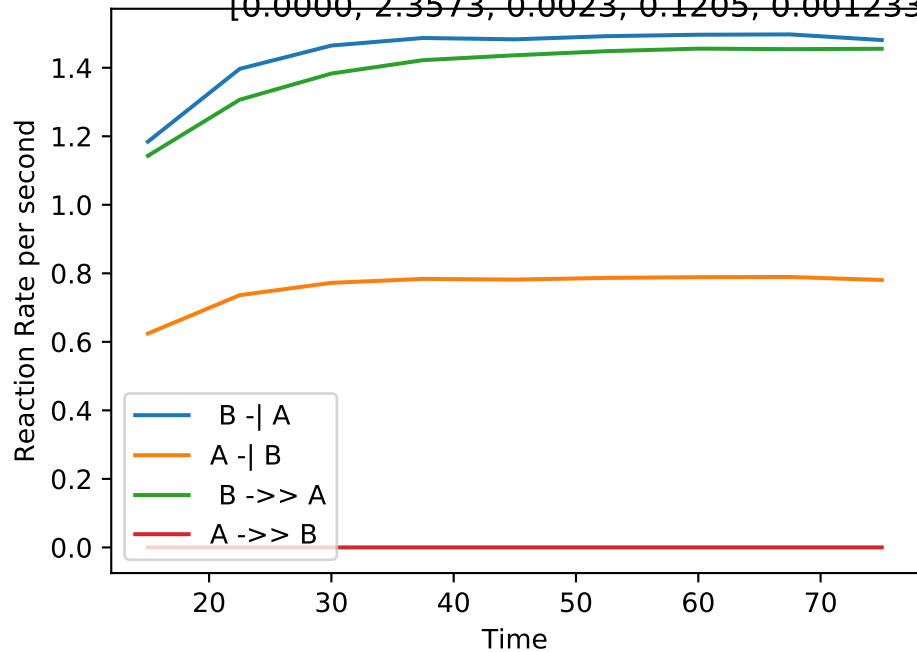
Single_up | MB-LLS Single_up(#56):

[0.0021, 2.4410, 0.0242, 0.1395, 0.001469, 0.0005406, 0.0442, 0.0277, 0.0923, 0.0000]



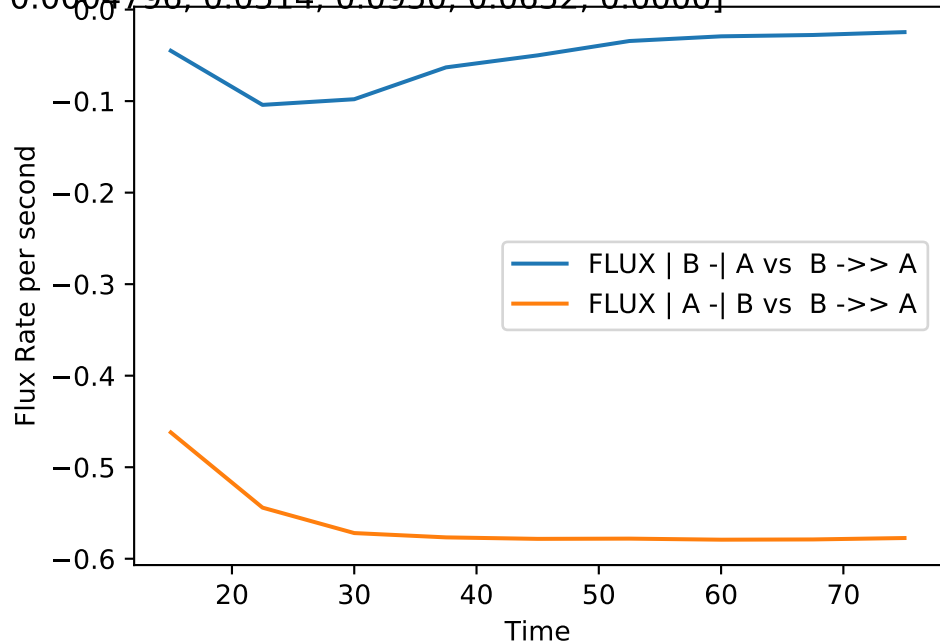
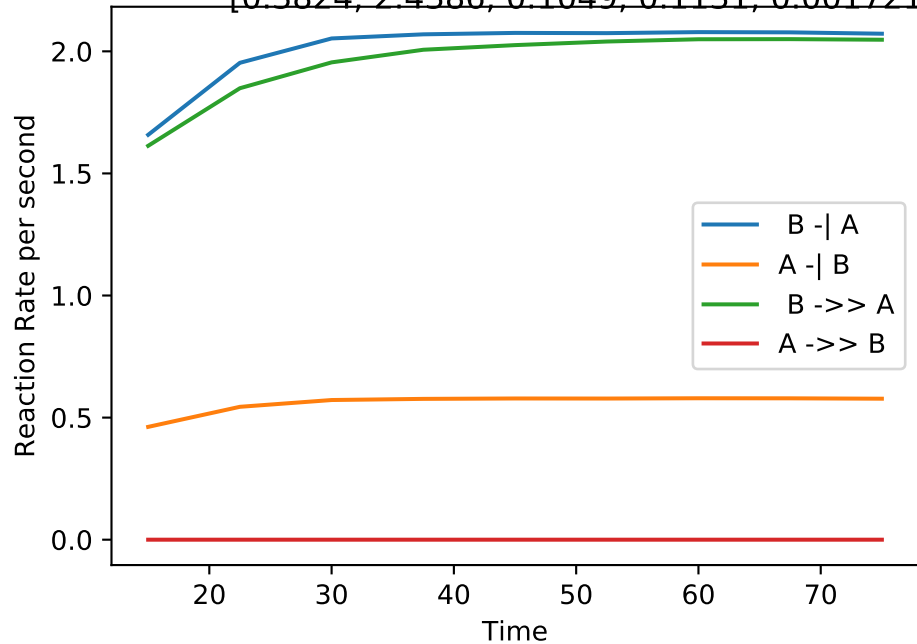
Single_up | MB-LLS Single_up(#57):

[0.0000, 2.3573, 0.0023, 0.1205, 0.001233, 0.0006499, 0.0364, 0.0067, 0.0793, 0.0000]



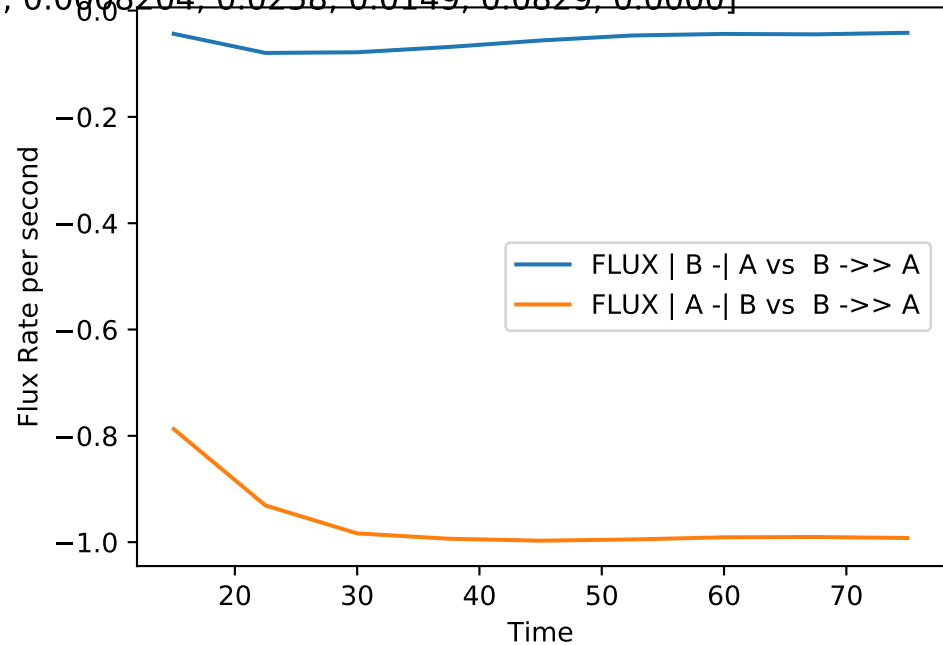
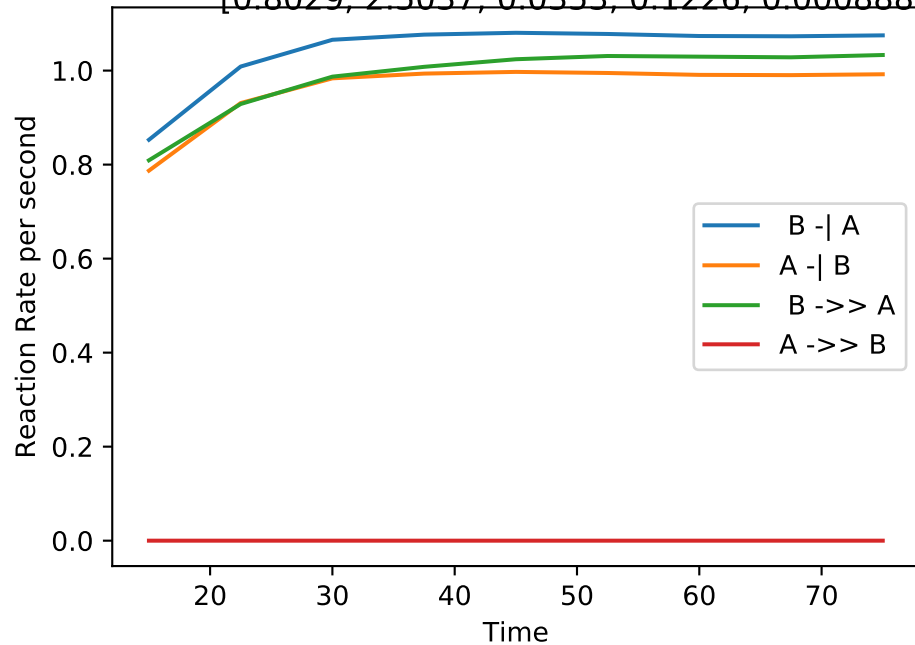
Single_up | MB-LLS Single_up(#58):

[0.3824, 2.4386, 0.1049, 0.1131, 0.001721, 0.0004796, 0.0514, 0.0950, 0.0652, 0.0000]



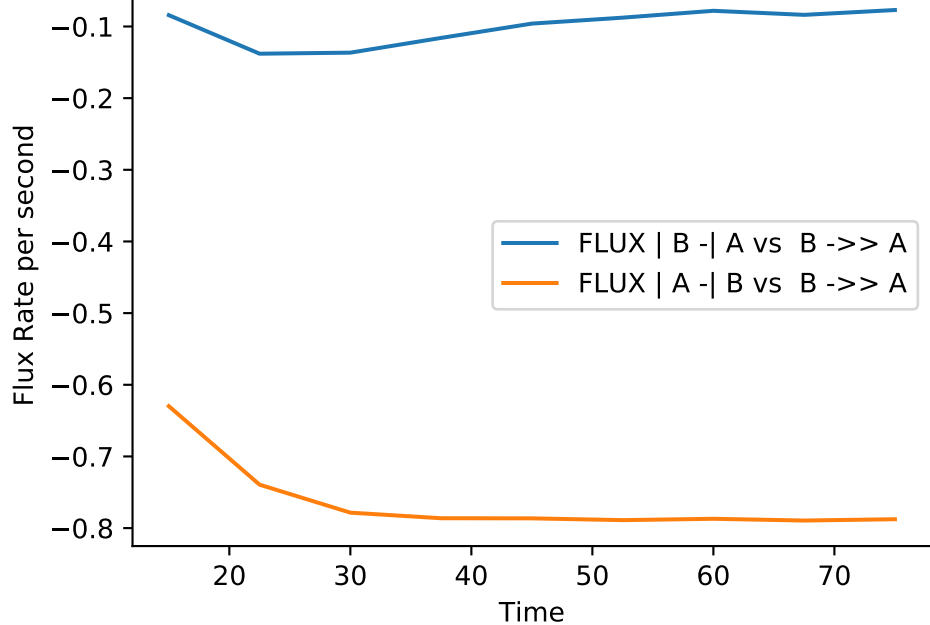
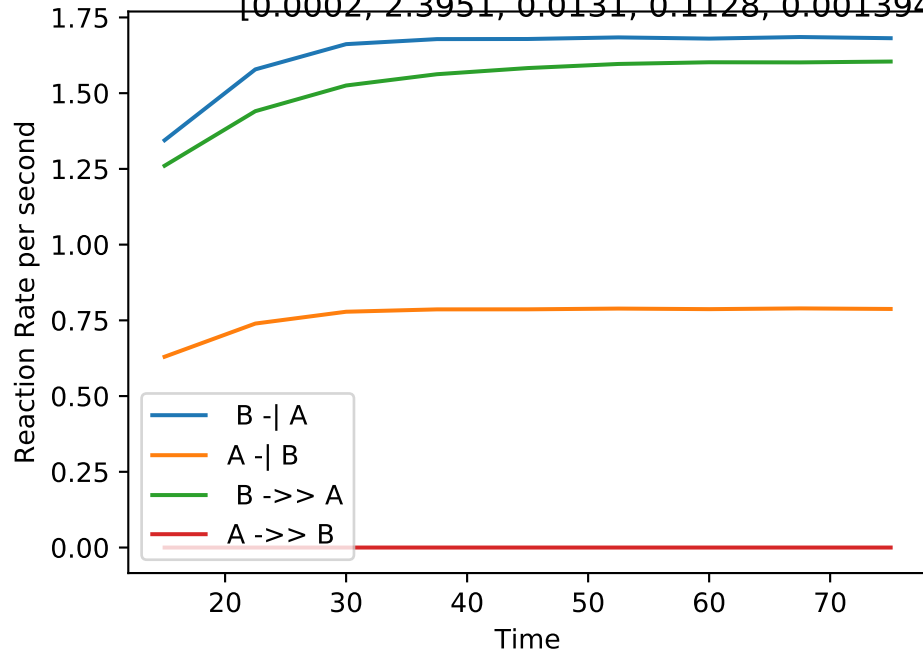
Single_up | MB-LLS Single_up(#59):

[0.8029, 2.5037, 0.0353, 0.1226, 0.0008888, 0.0008204, 0.0258, 0.0149, 0.0829, 0.0000]



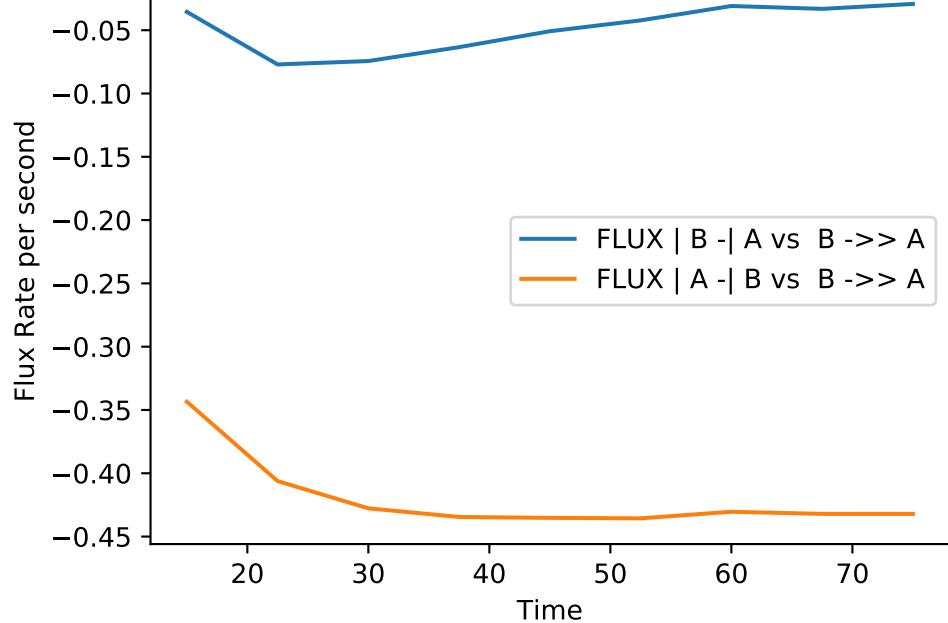
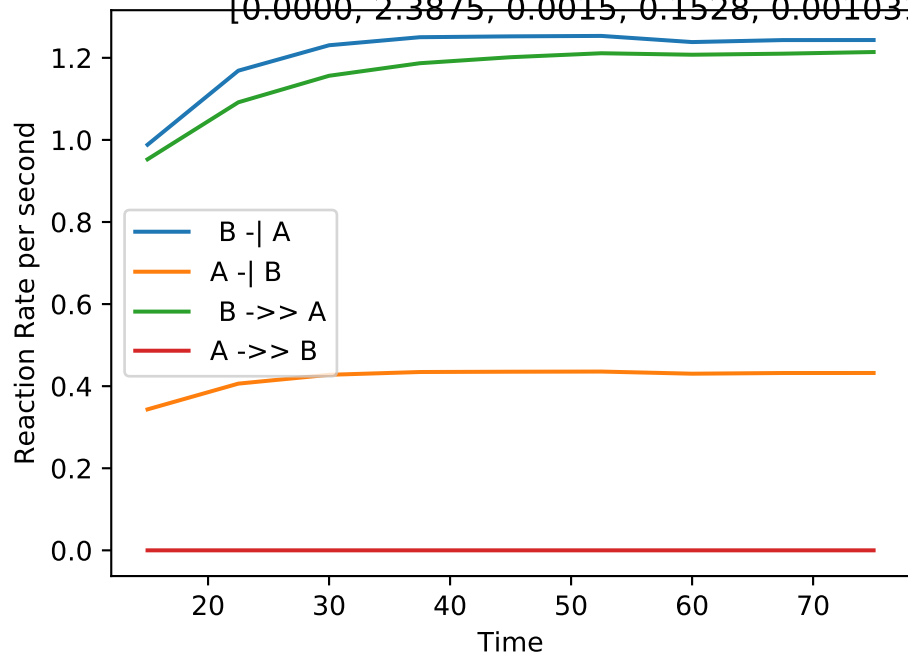
Single_up | MB-LLS Single_up(#60):

[0.0002, 2.3951, 0.0131, 0.1128, 0.001394, 0.000653, 0.0401, 0.0188, 0.0711, 0.0000]



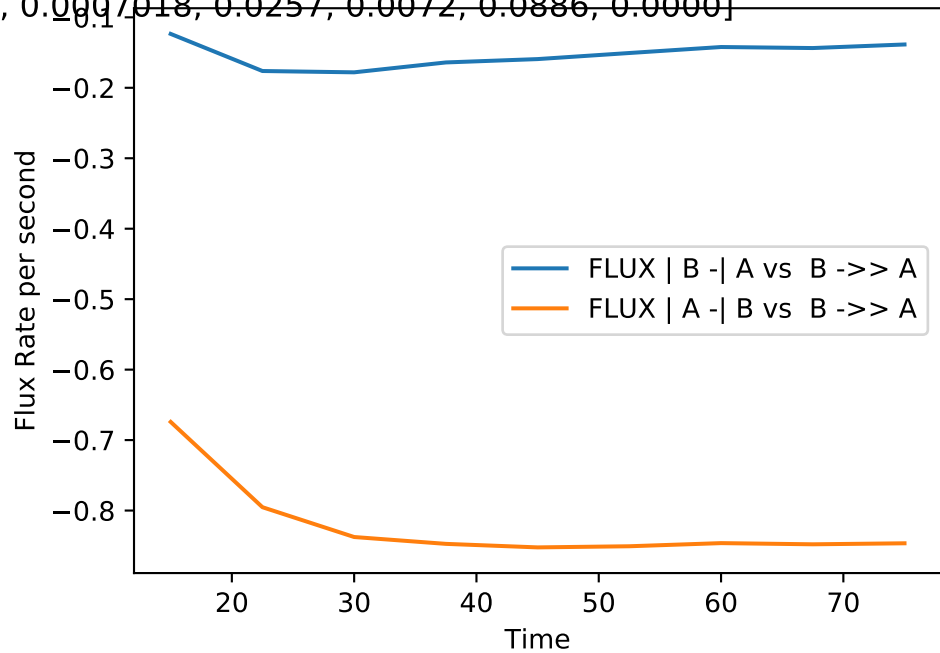
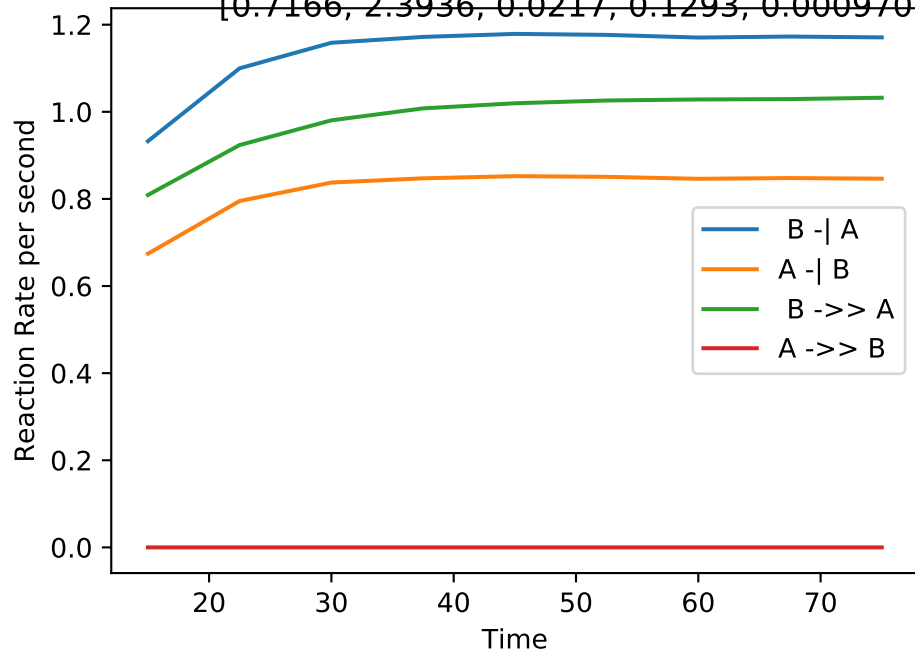
Single_up | MB-LLS Single_up(#61):

[0.0000, 2.3875, 0.0015, 0.1528, 0.001031, 0.0003585, 0.0303, 0.0054, 0.1010, 0.0000]



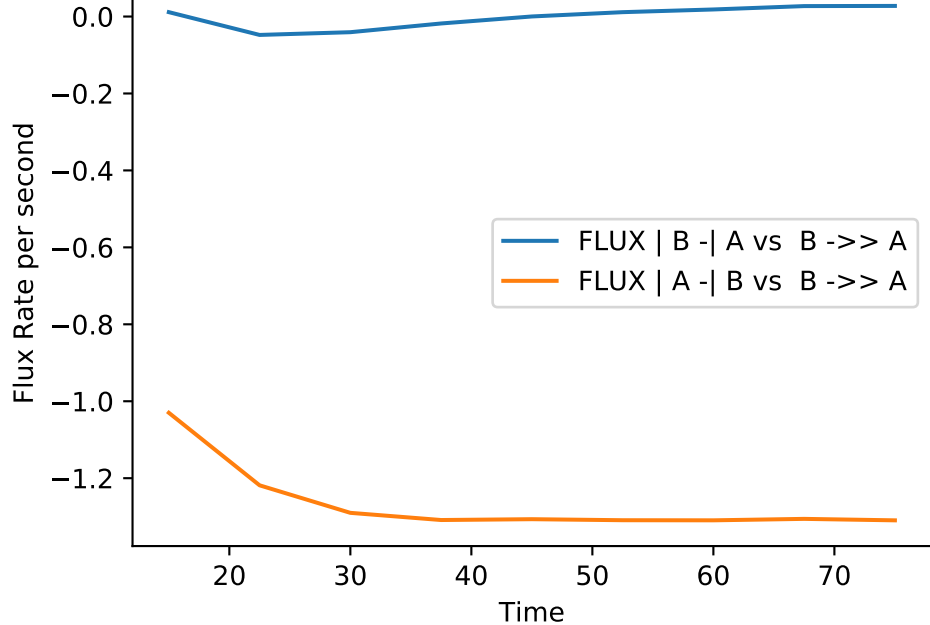
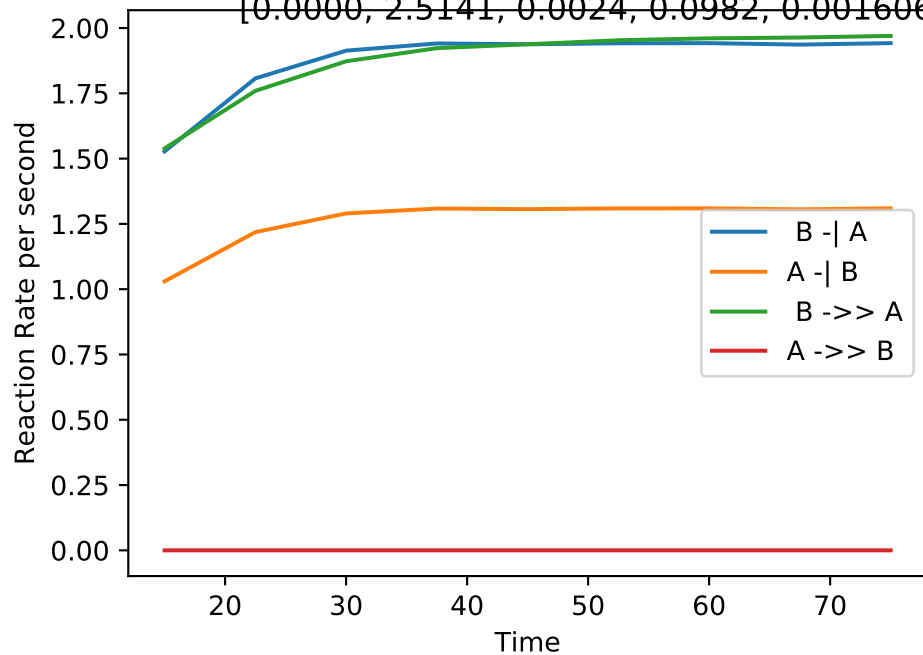
Single_up | MB-LLS Single_up(#62):

[0.7166, 2.3936, 0.0217, 0.1293, 0.0009707, 0.0007018, 0.0257, 0.0072, 0.0886, 0.0000]



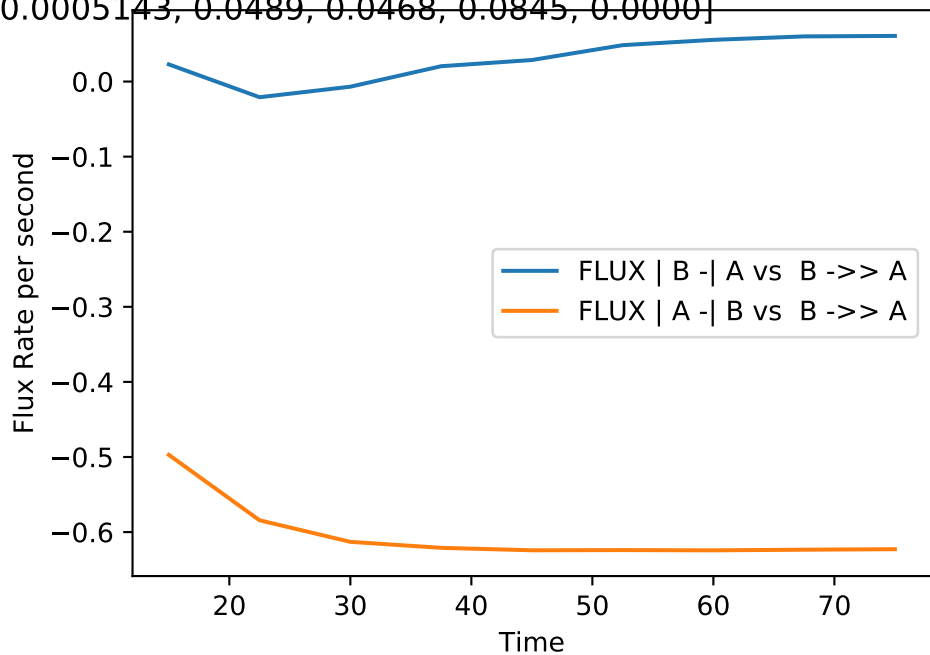
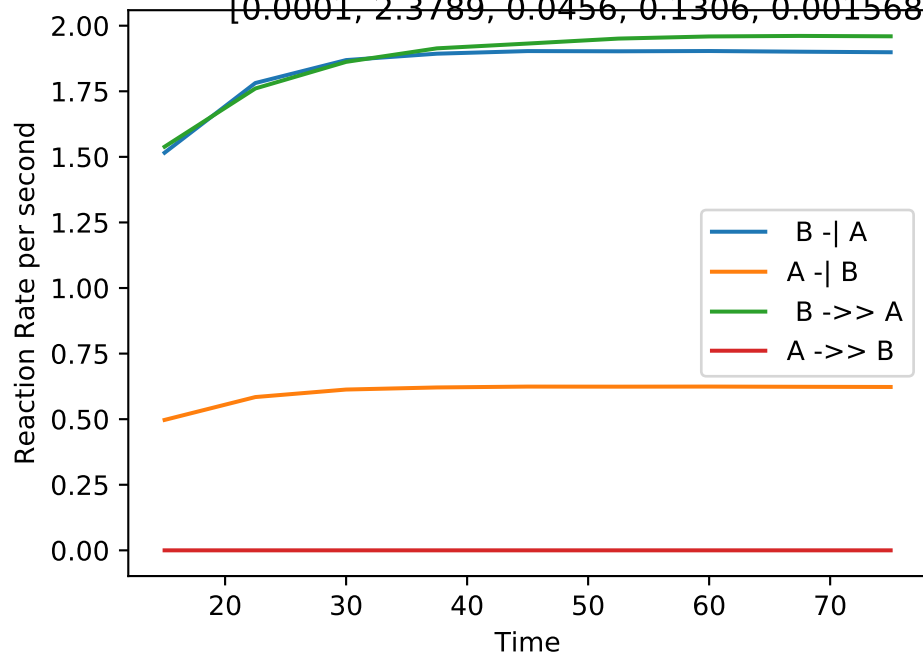
Single_up | MB-LLS Single_up(#63):

[0.0000, 2.5141, 0.0024, 0.0982, 0.001606, 0.001083, 0.0491, 0.0070, 0.0668, 0.0000]



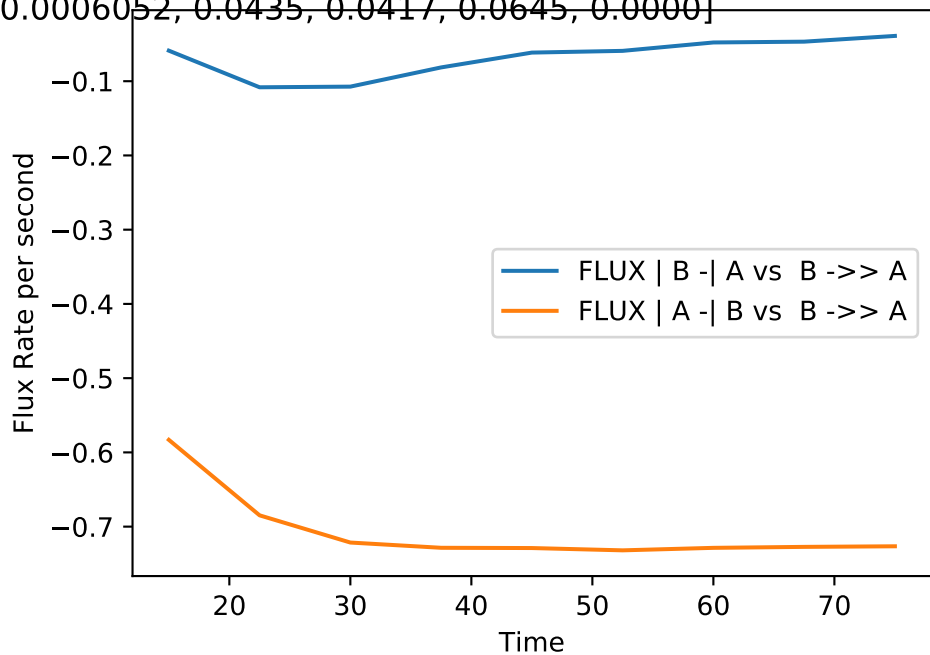
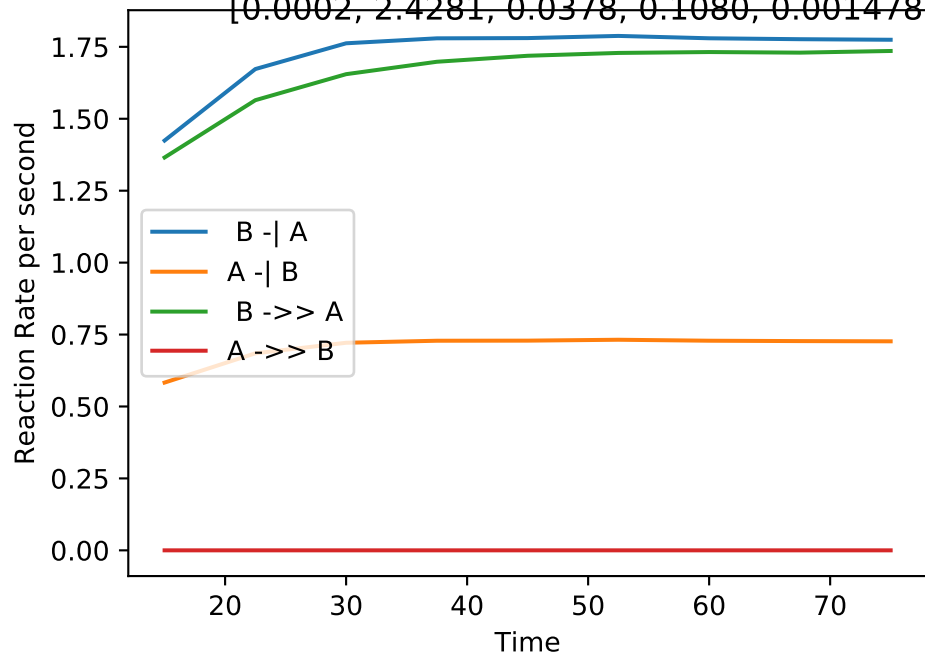
Single_up | MB-LLS Single_up(#64):

[0.0001, 2.3789, 0.0456, 0.1306, 0.001568, 0.0005143, 0.0489, 0.0468, 0.0845, 0.0000]



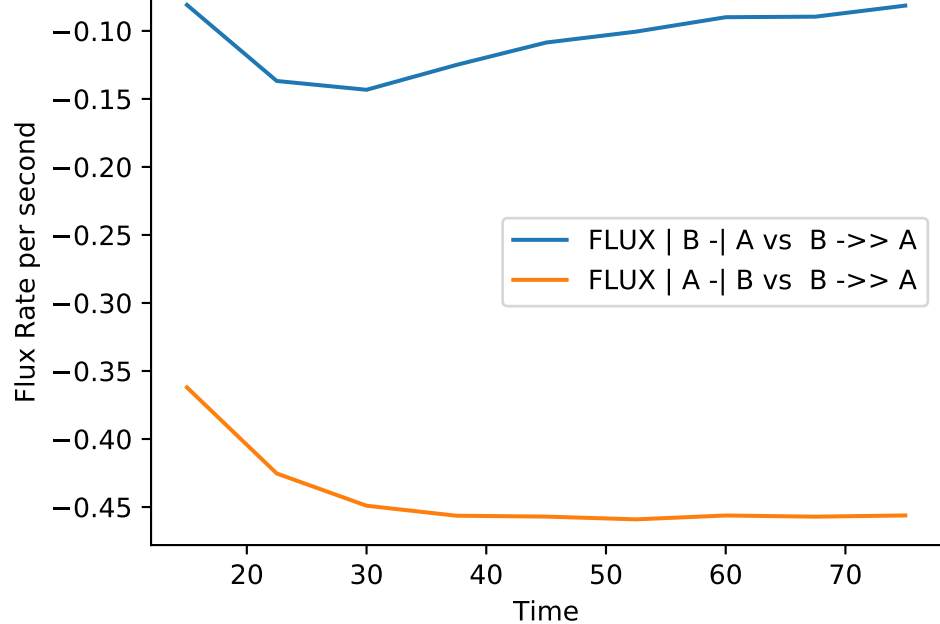
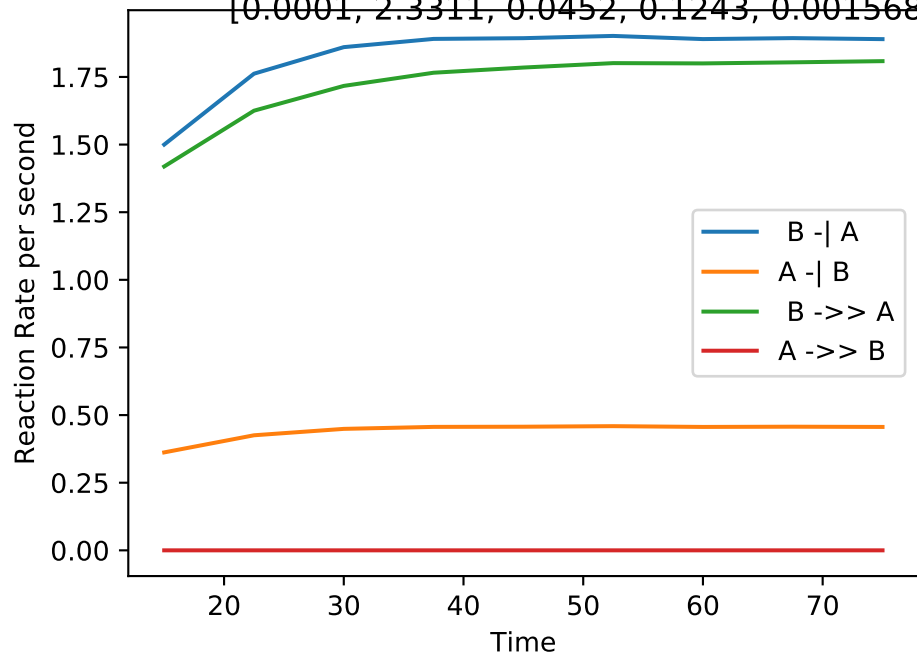
Single_up | MB-LLS Single_up(#65):

[0.0002, 2.4281, 0.0378, 0.1080, 0.001478, 0.0006052, 0.0435, 0.0417, 0.0645, 0.0000]



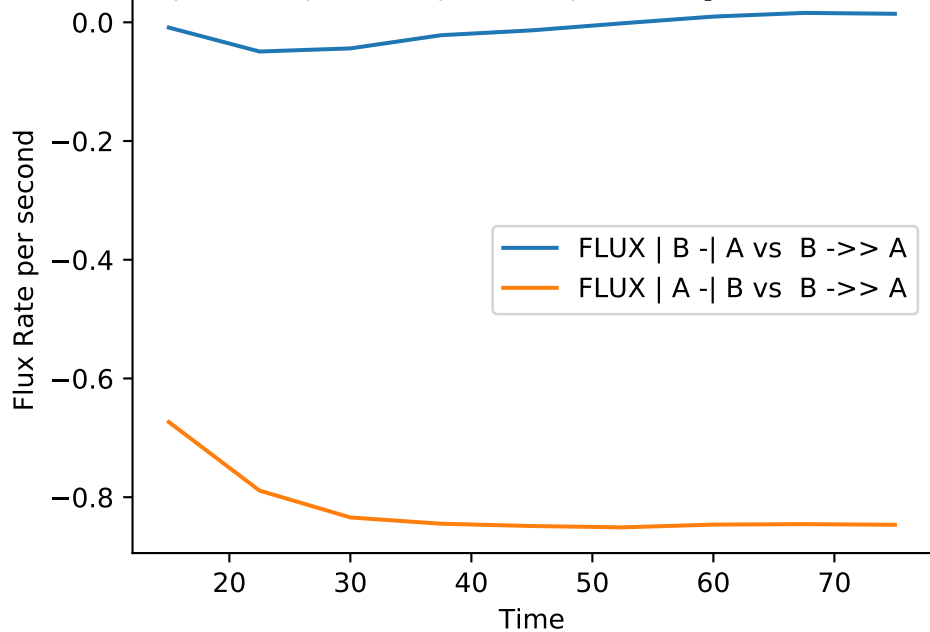
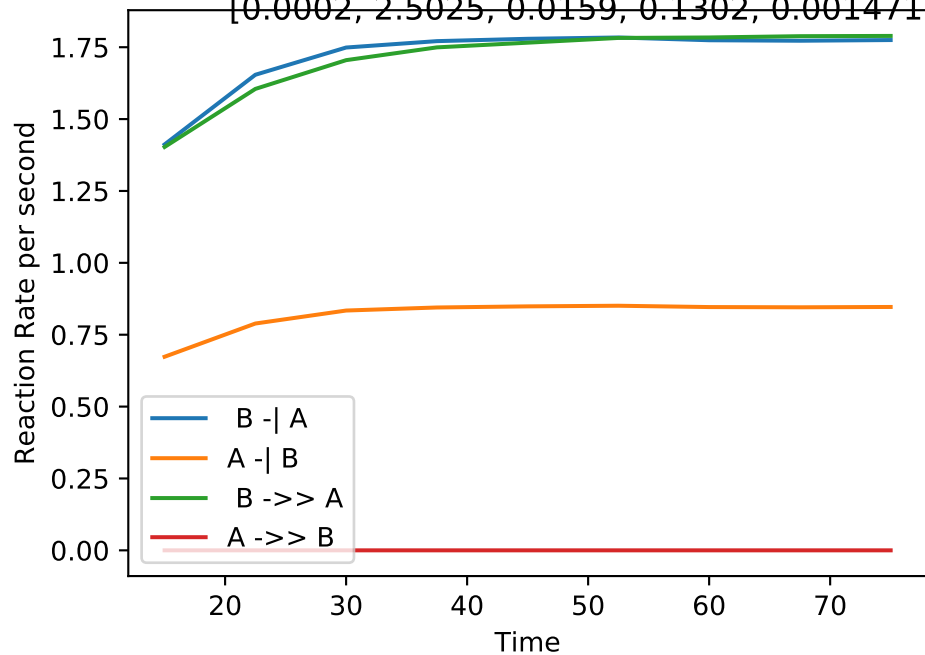
Single_up | MB-LLS Single_up(#66):

[0.0001, 2.3311, 0.0452, 0.1243, 0.001568, 0.0003785, 0.0452, 0.0501, 0.0757, 0.0000]



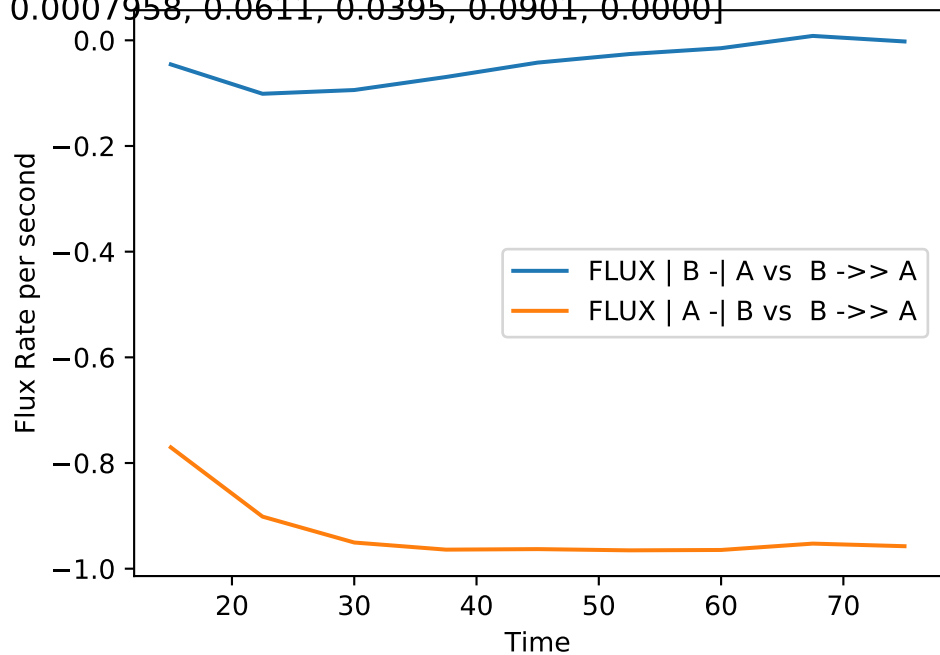
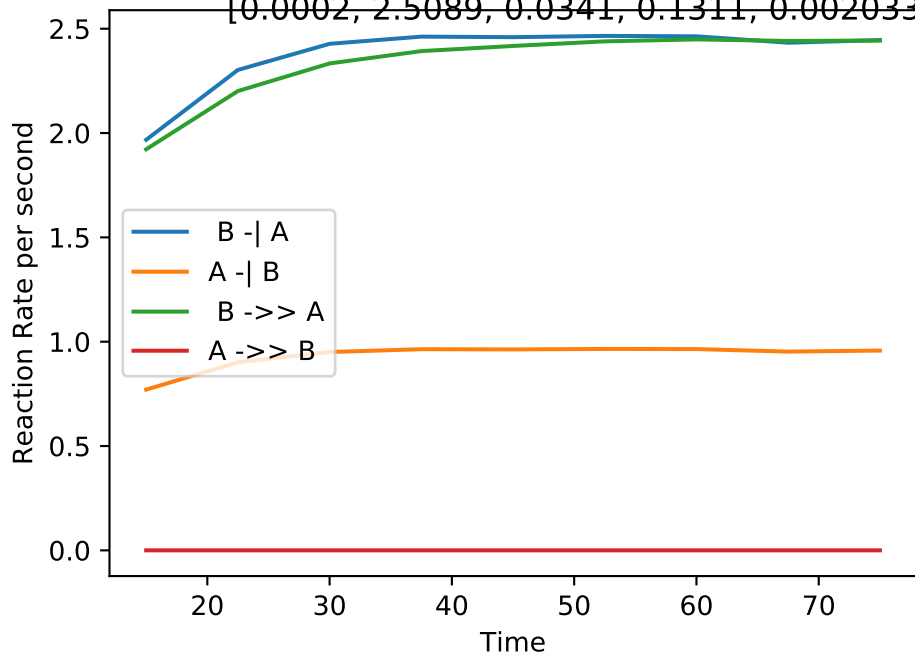
Single_up | MB-LLS Single_up(#67):

[0.0002, 2.5025, 0.0159, 0.1302, 0.001471, 0.0007016, 0.0448, 0.0195, 0.0865, 0.0000]



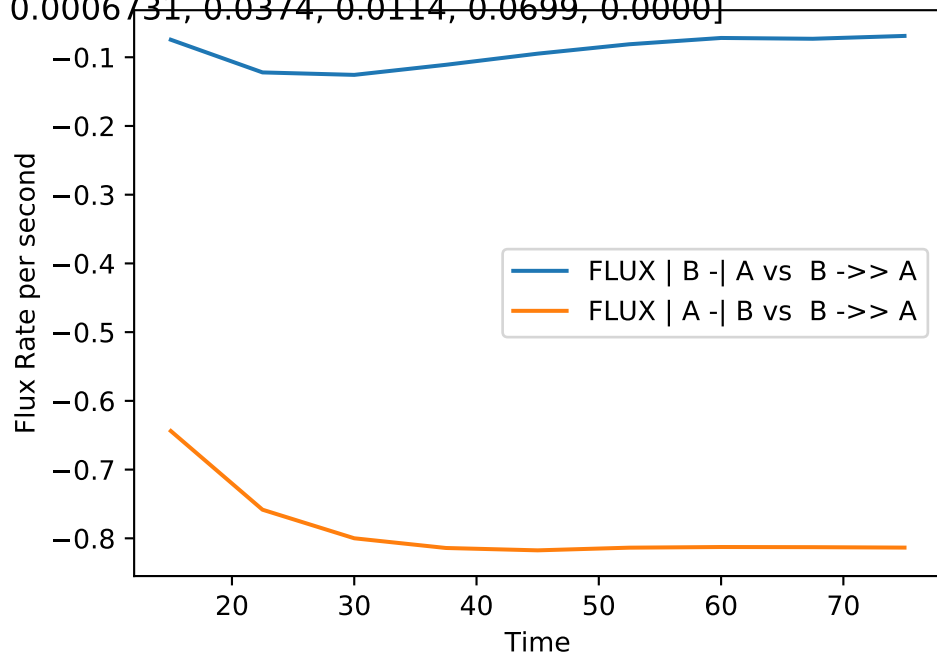
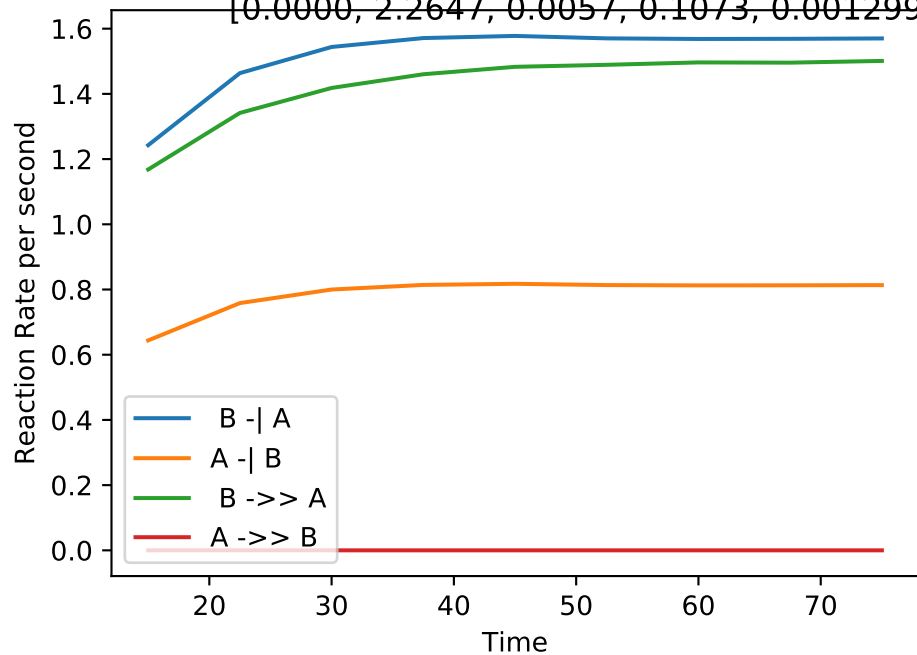
Single_up | MB-LLS Single_up(#68):

[0.0002, 2.5089, 0.0341, 0.1311, 0.002033, 0.0007958, 0.0611, 0.0395, 0.0901, 0.0000]



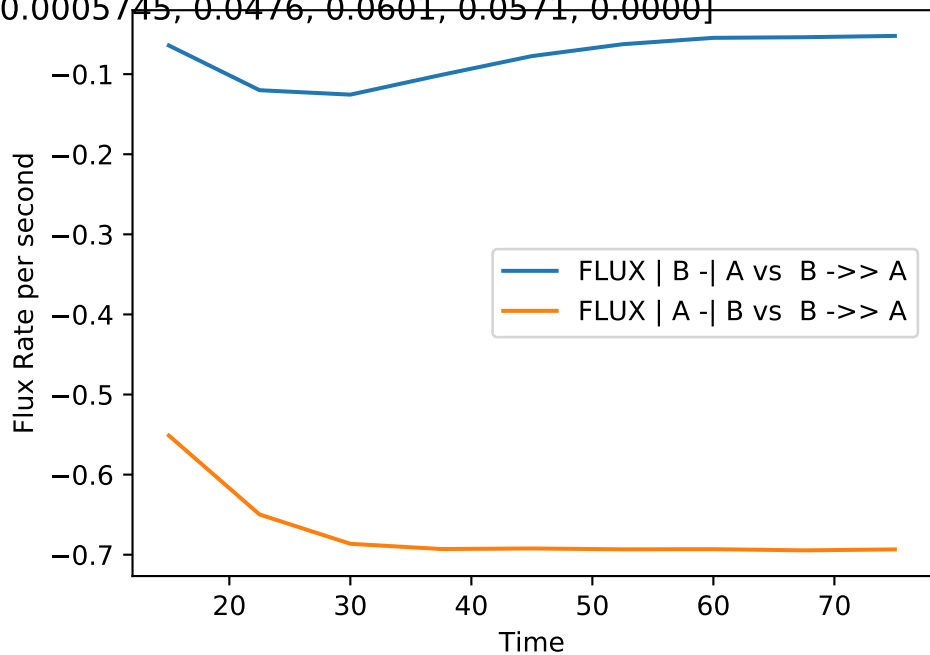
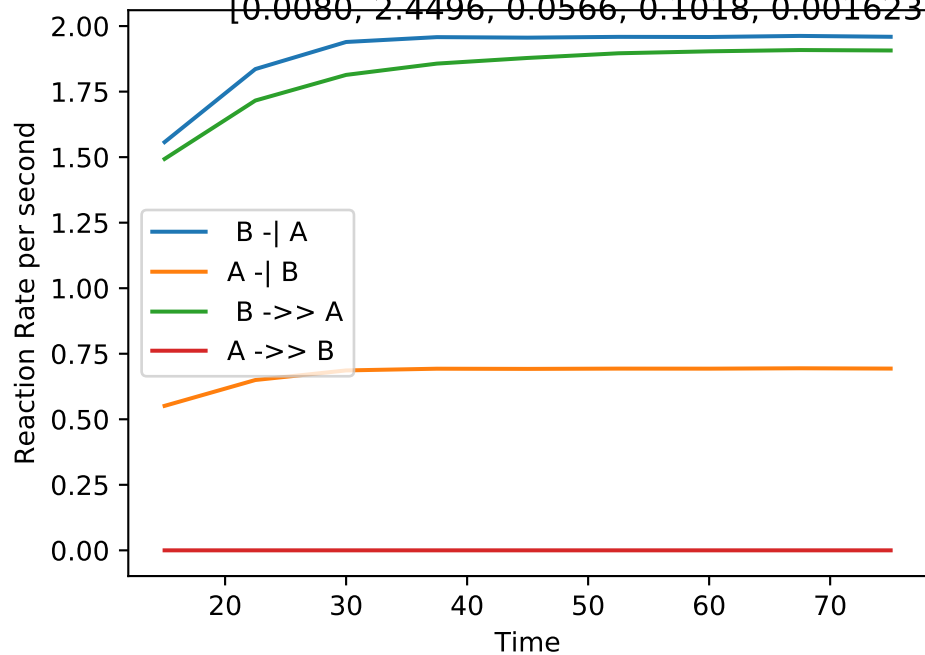
Single_up | MB-LLS Single_up(#69):

[0.0000, 2.2647, 0.0057, 0.1073, 0.001299, 0.0006731, 0.0374, 0.0114, 0.0699, 0.0000]



Single_up | MB-LLS Single_up(#70):

[0.0080, 2.4496, 0.0566, 0.1018, 0.001623, 0.0005745, 0.0476, 0.0601, 0.0571, 0.0000]



Single_up | MB-LLS Single_up(#71):

[0.0007, 2.3664, 0.0366, 0.1009, 0.001738, 0.0006296, 0.0487, 0.0442, 0.0598, 0.0000]

Reaction Rate per second

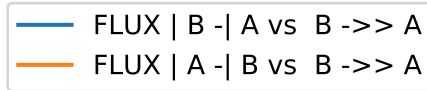
2.0
1.5
1.0
0.5
0.0



Time

Flux Rate per second

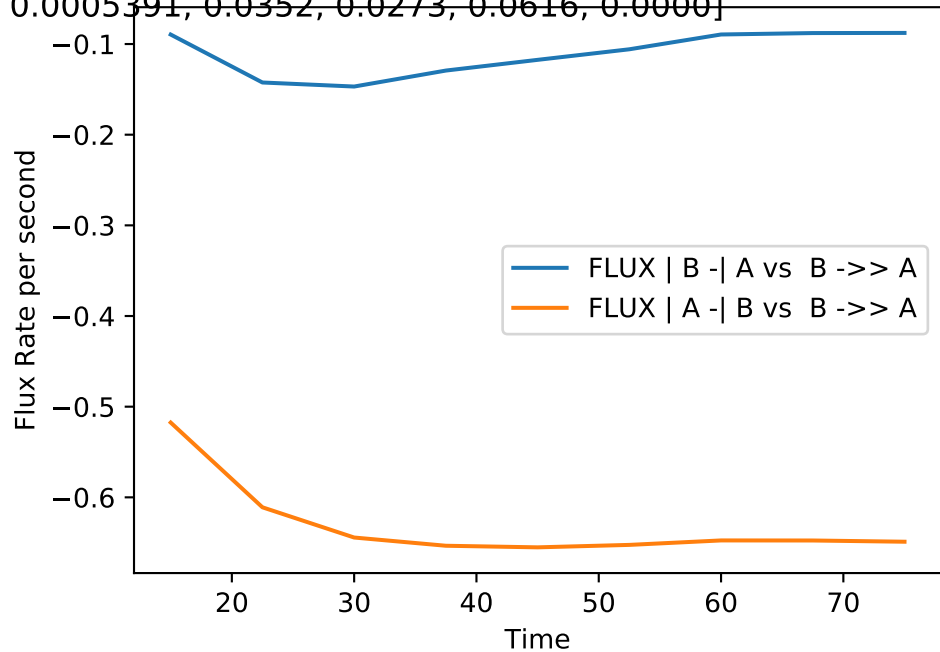
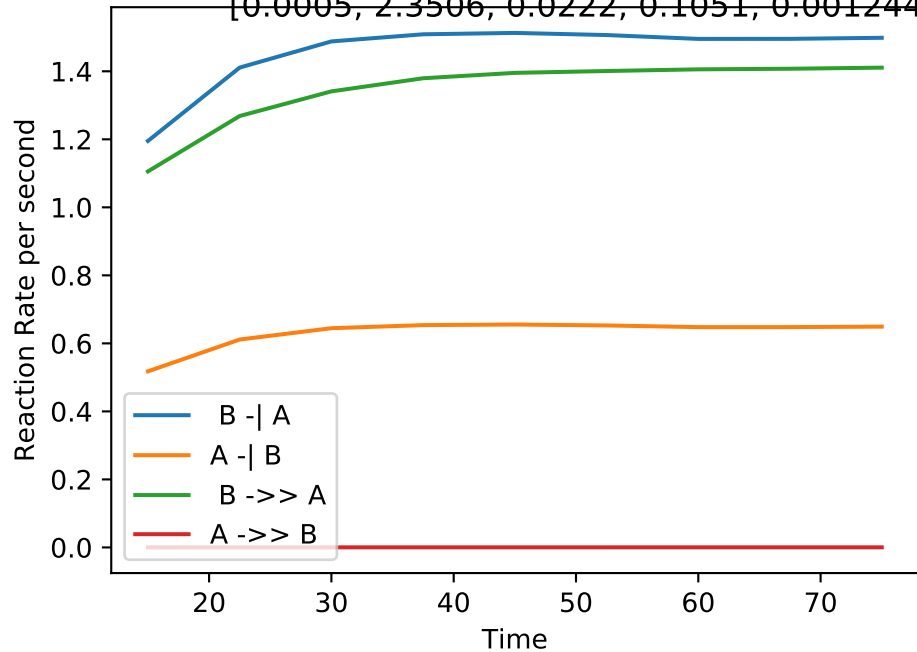
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7



Time

Single_up | MB-LLS Single_up(#72):

[0.0005, 2.3506, 0.0222, 0.1051, 0.001244, 0.0005391, 0.0352, 0.0273, 0.0616, 0.0000]



Single_up | MB-LLS Single_up(#73):

[0.0004, 2.4179, 0.0376, 0.1091, 0.001723, 0.0006268, 0.0497, 0.0435, 0.0664, 0.0000]

Reaction Rate per second

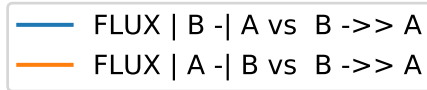
2.0
1.5
1.0
0.5
0.0



Time

Flux Rate per second

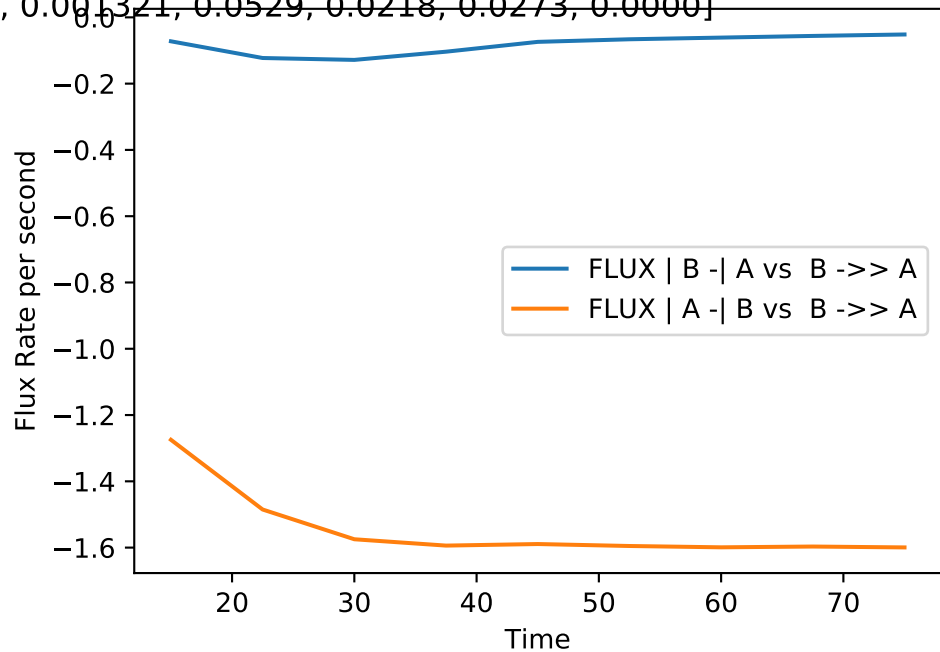
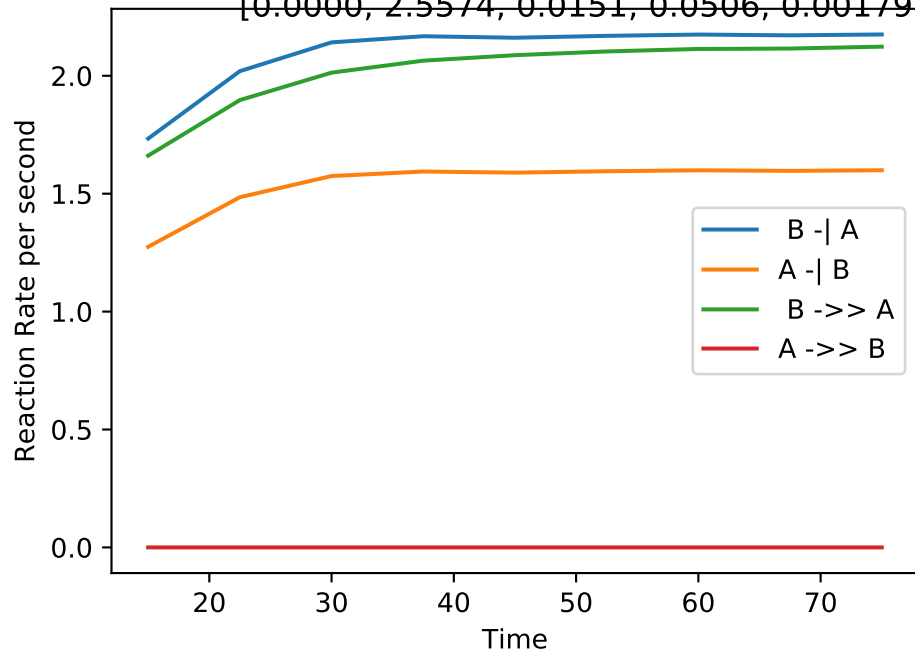
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7



Time

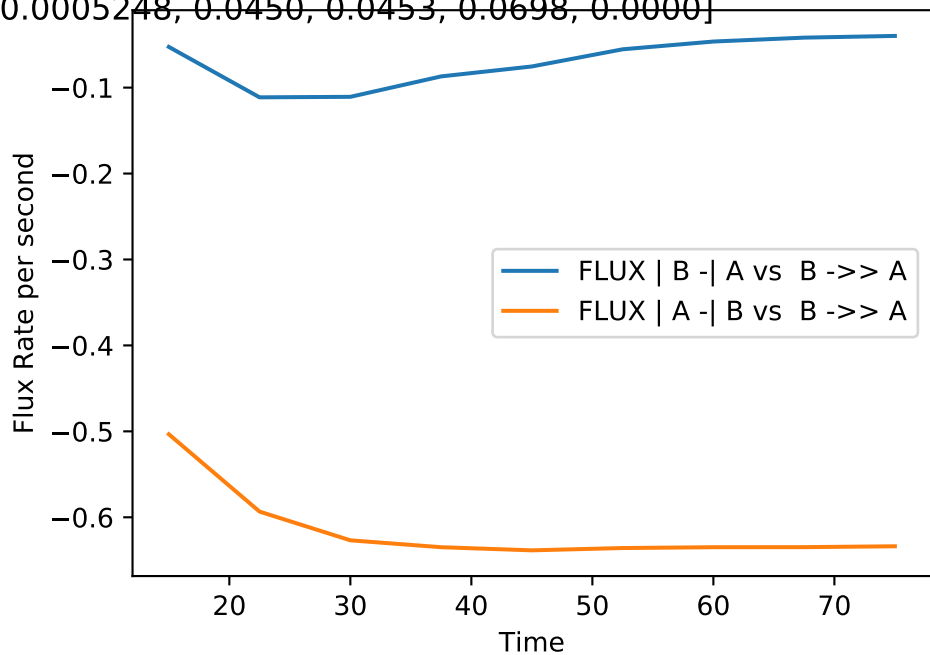
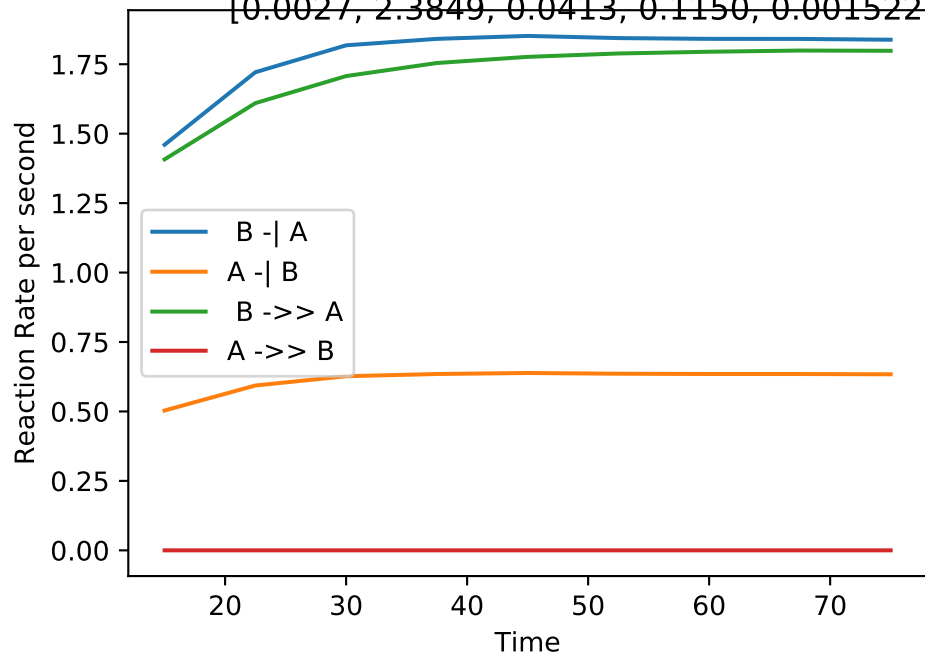
Single_up | MB-LLS Single_up(#74):

[0.0000, 2.5574, 0.0151, 0.0506, 0.001797, 0.001321, 0.0529, 0.0218, 0.0273, 0.0000]



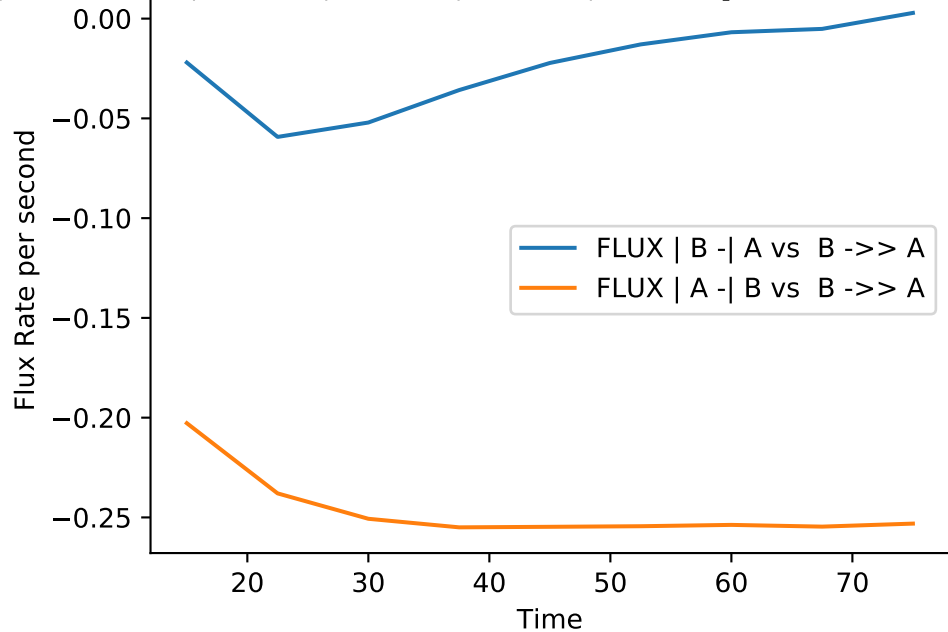
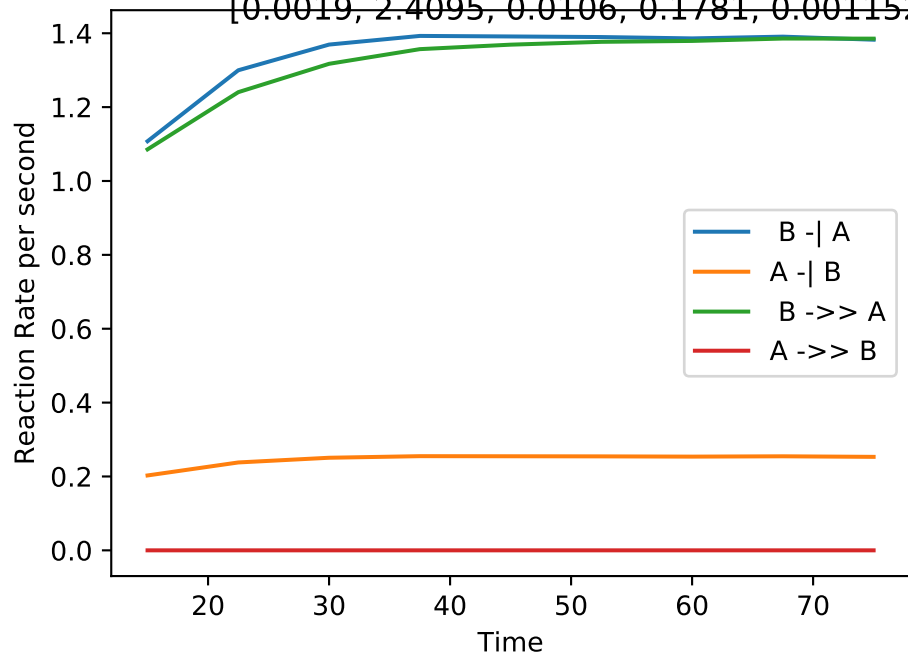
Single_up | MB-LLS Single_up(#75):

[0.0027, 2.3849, 0.0413, 0.1150, 0.001522, 0.0005248, 0.0450, 0.0453, 0.0698, 0.0000]



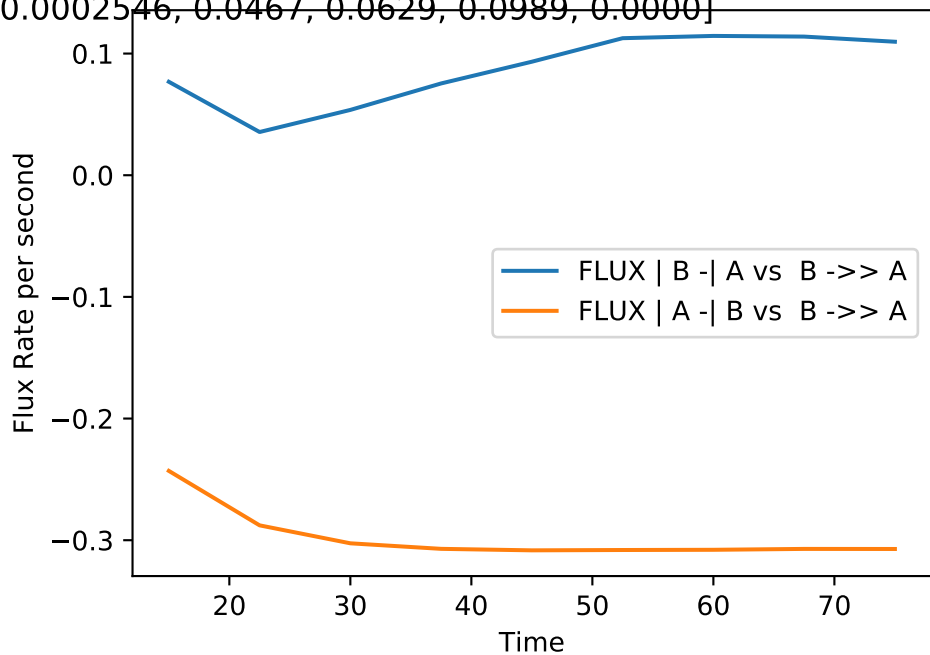
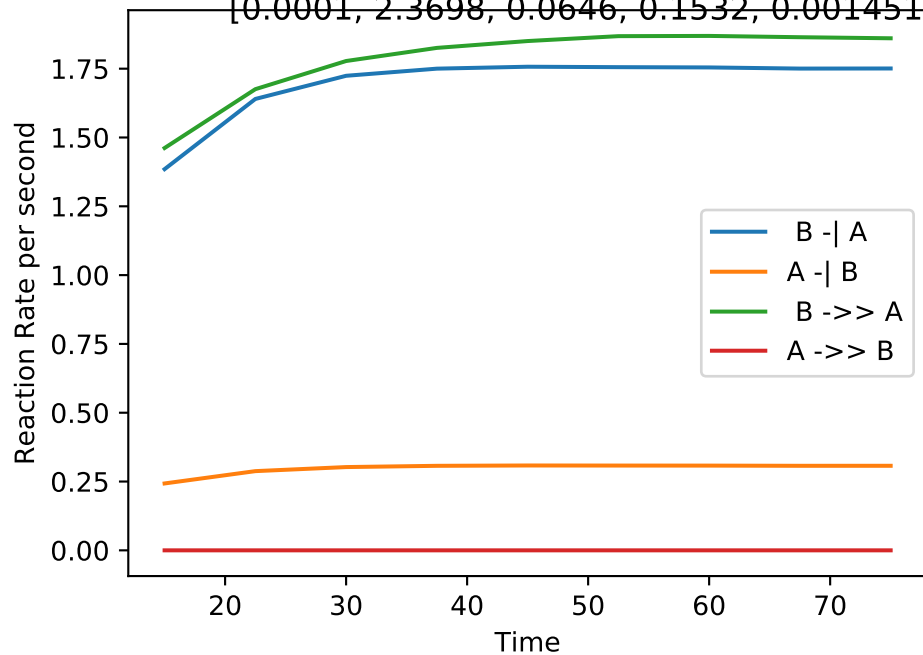
Single_up | MB-LLS Single_up(#76):

[0.0019, 2.4095, 0.0106, 0.1781, 0.001152, 0.0002108, 0.0345, 0.0136, 0.1203, 0.0000]



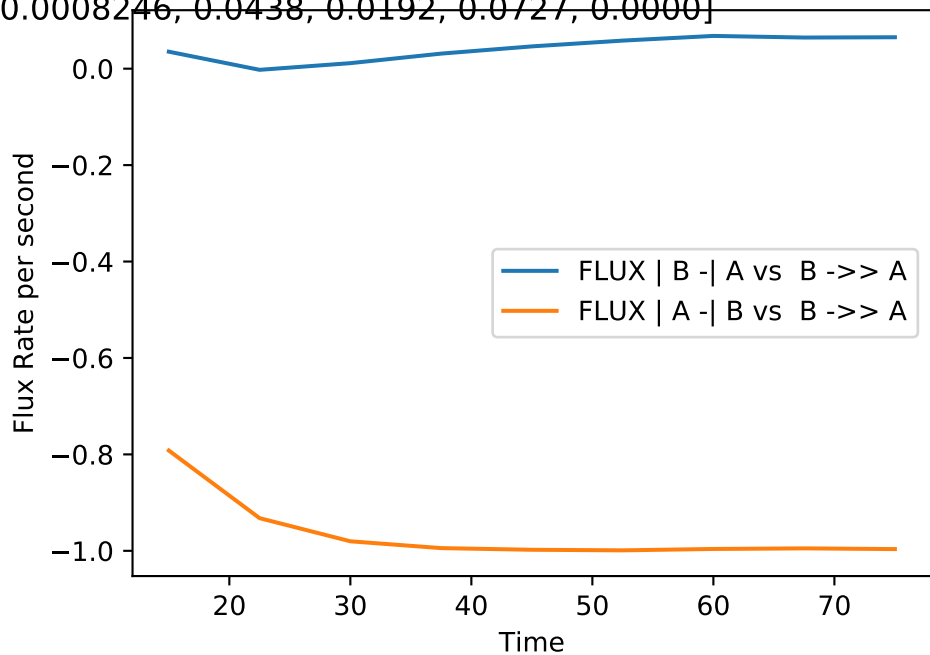
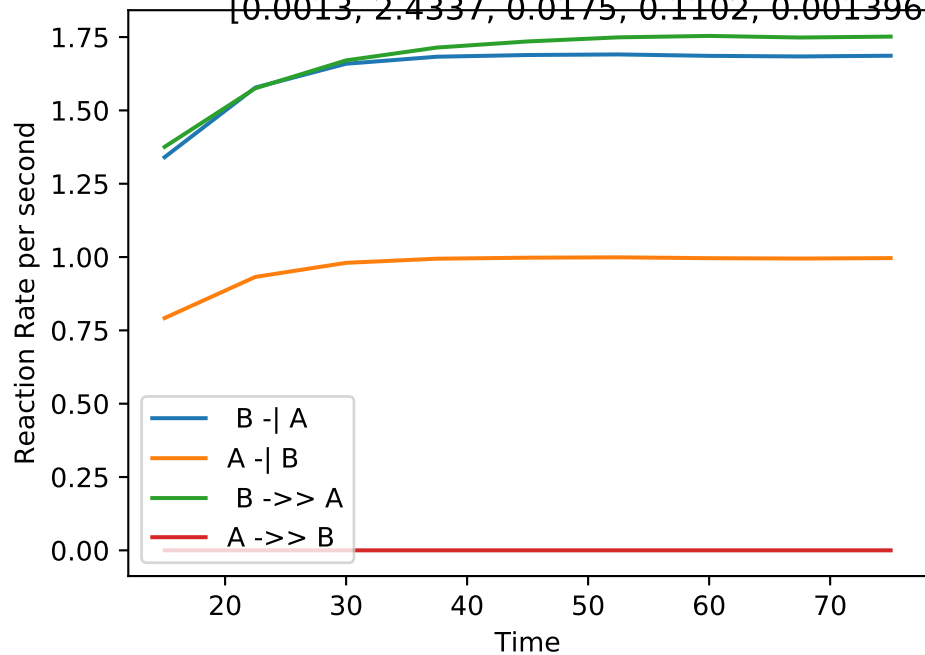
Single_up | MB-LLS Single_up(#77):

[0.0001, 2.3698, 0.0646, 0.1532, 0.001451, 0.0002546, 0.0467, 0.0629, 0.0989, 0.0000]



Single_up | MB-LLS Single_up(#78):

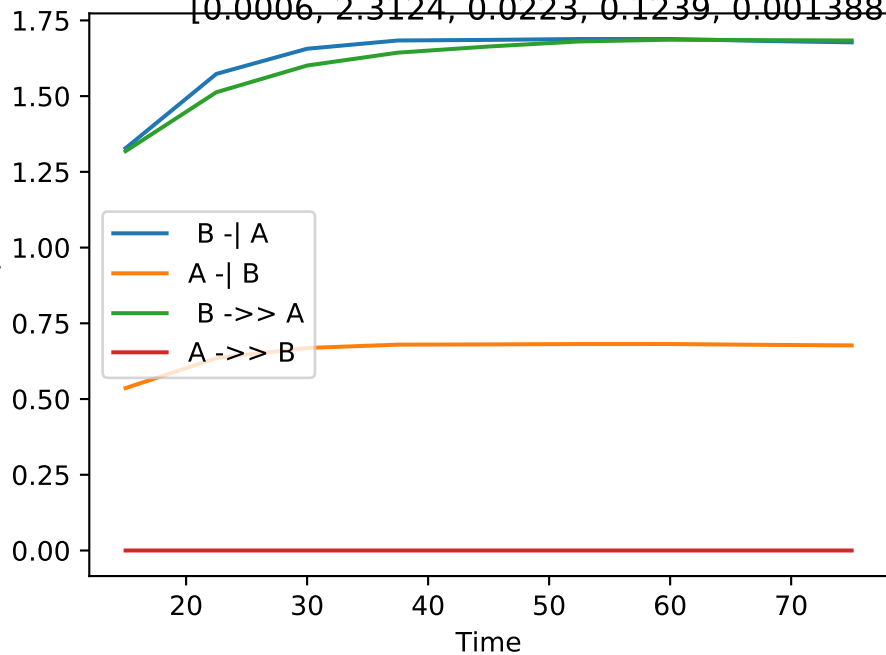
[0.0013, 2.4337, 0.0175, 0.1102, 0.001396, 0.0008246, 0.0438, 0.0192, 0.0727, 0.0000]



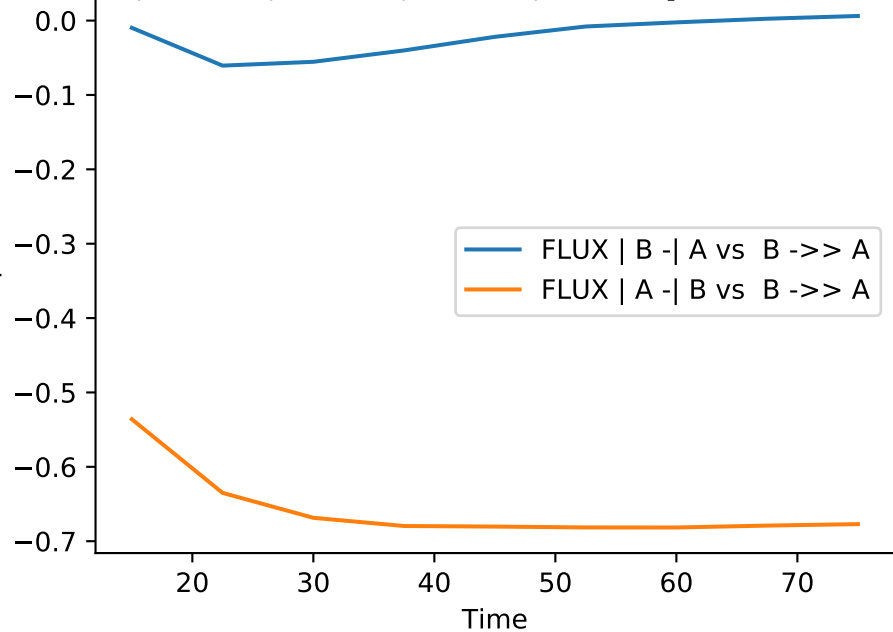
Single_up | MB-LLS Single_up(#79):

[0.0006, 2.3124, 0.0223, 0.1239, 0.001388, 0.0005601, 0.0421, 0.0256, 0.0811, 0.0000]

Reaction Rate per second

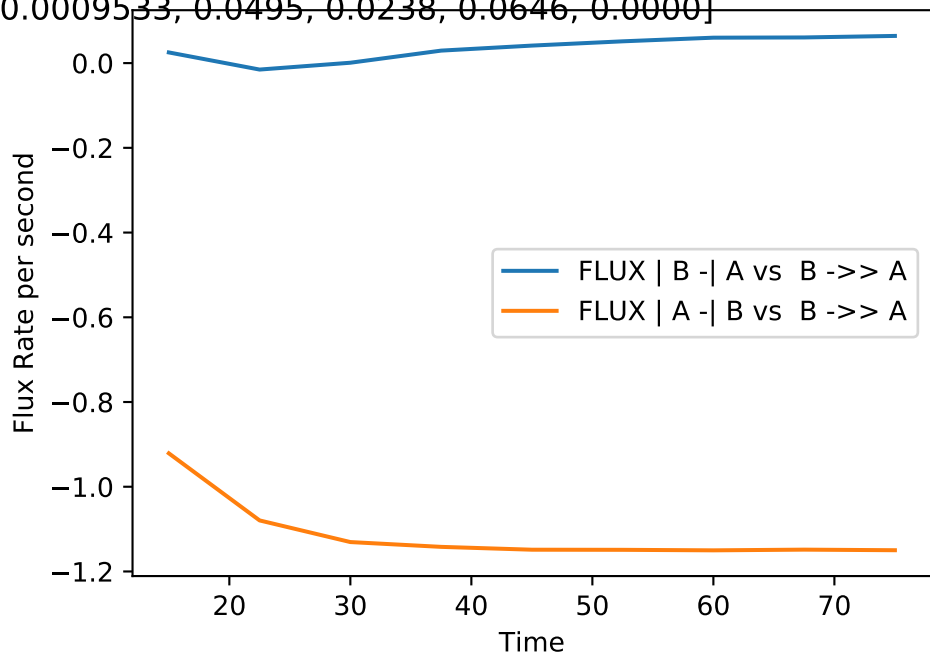
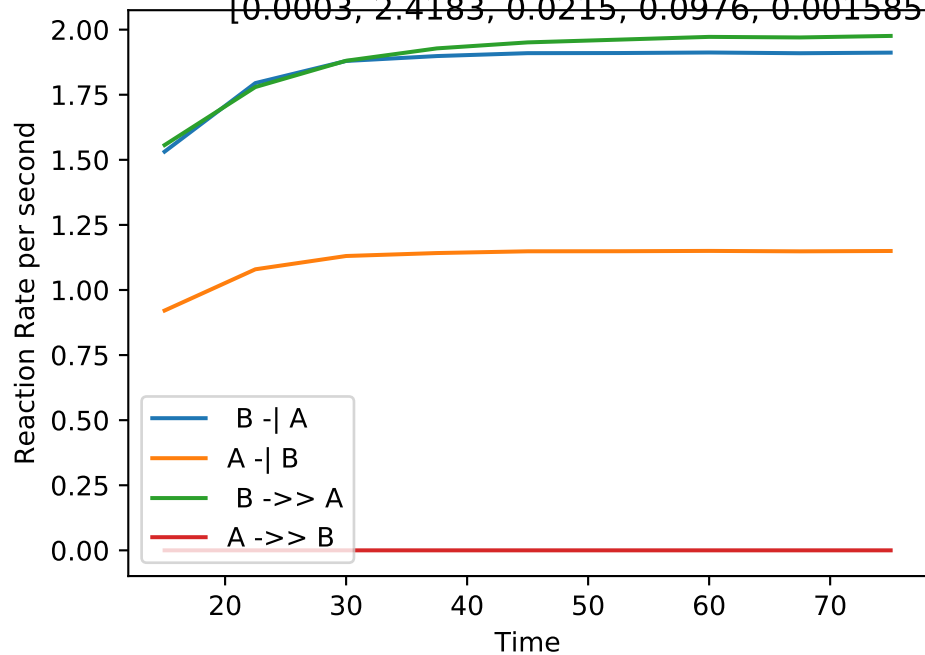


Flux Rate per second



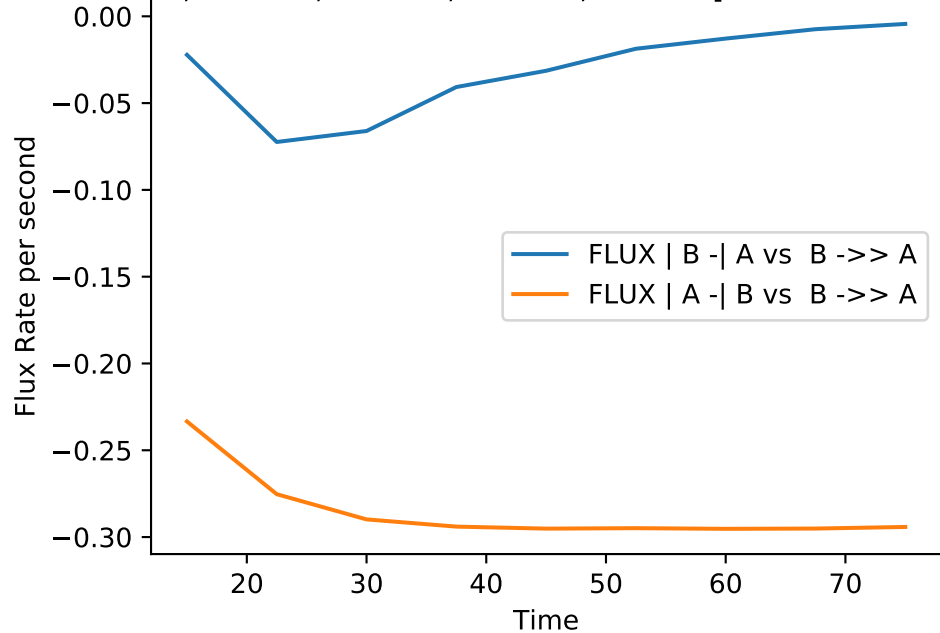
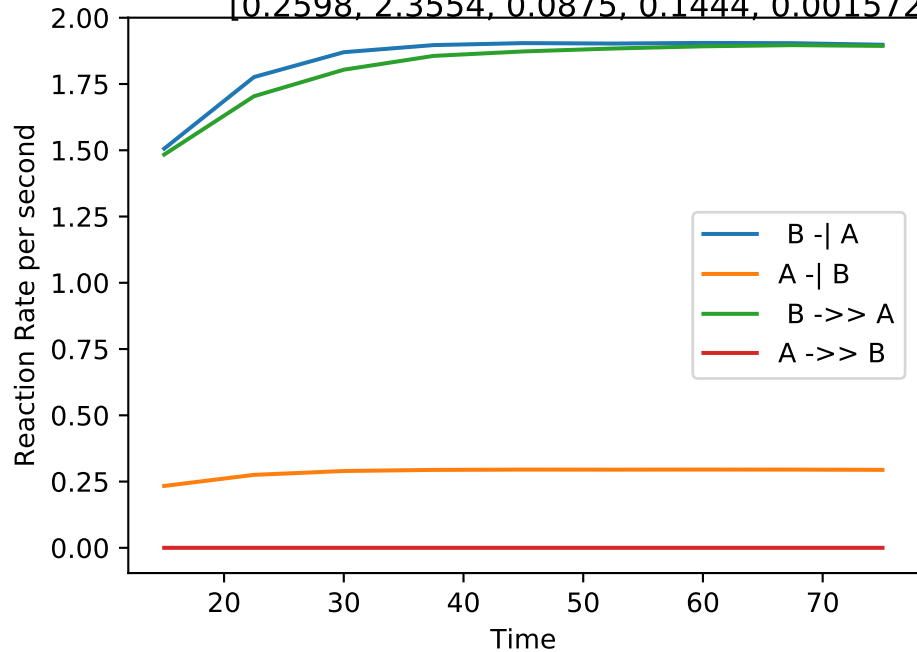
Single_up | MB-LLS Single_up(#80):

[0.0003, 2.4183, 0.0215, 0.0976, 0.001585, 0.0009533, 0.0495, 0.0238, 0.0646, 0.0000]



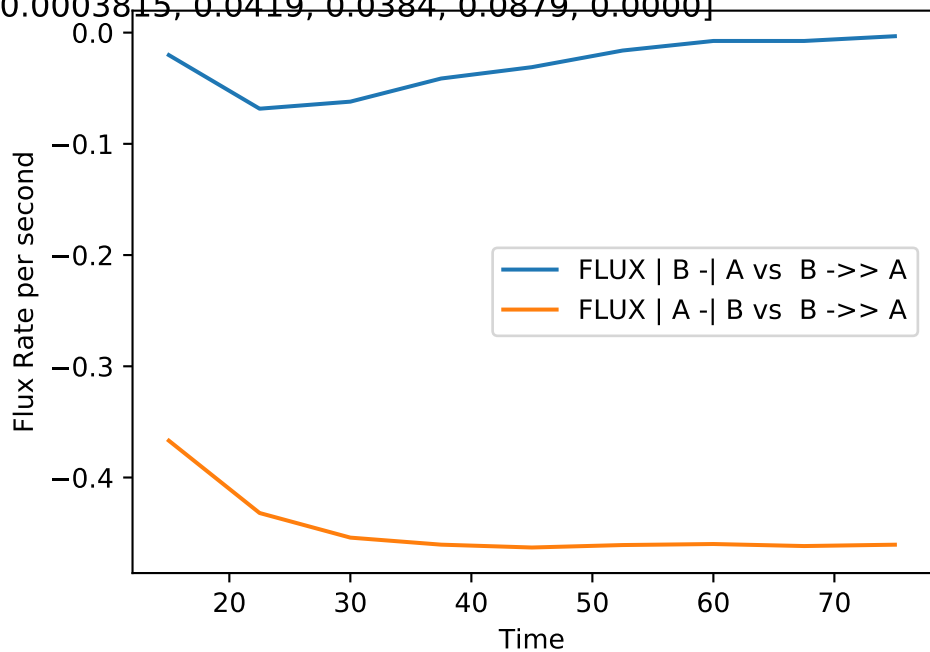
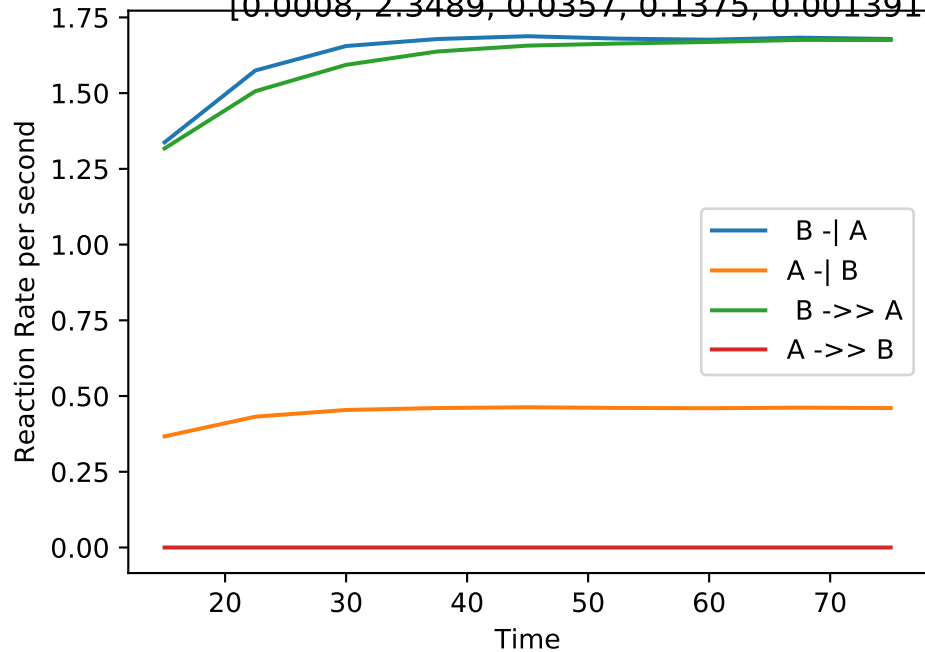
Single_up | MB-LLS Single_up(#81):

[0.2598, 2.3554, 0.0875, 0.1444, 0.001572, 0.0002437, 0.0473, 0.0811, 0.0904, 0.0000]



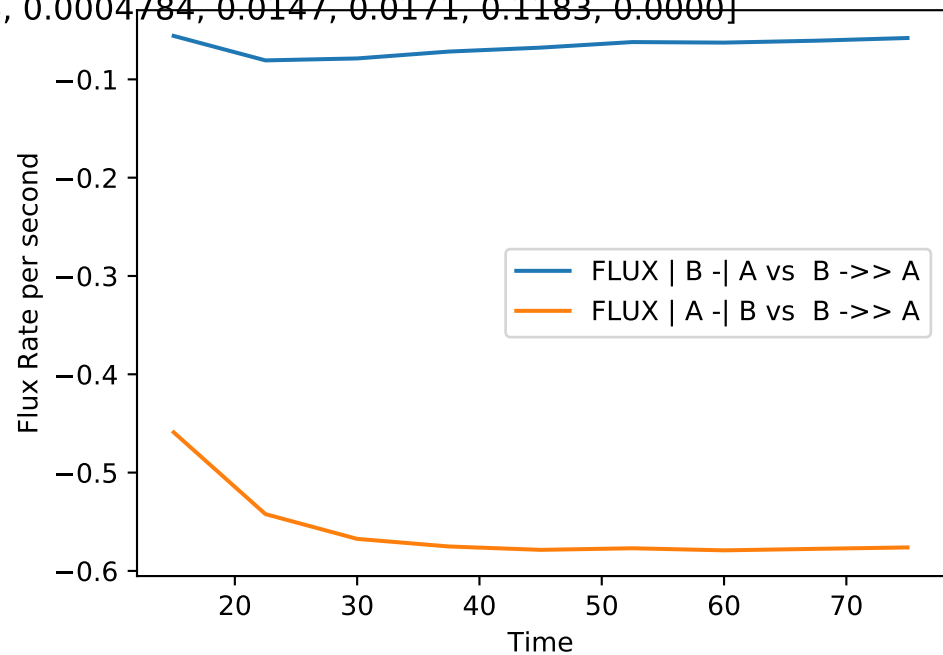
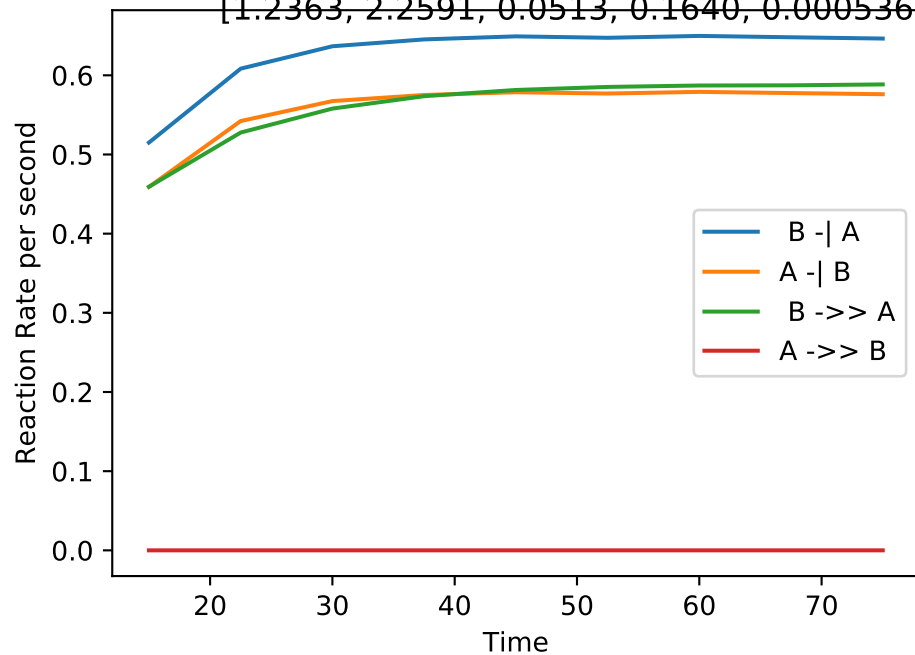
Single_up | MB-LLS Single_up(#82):

[0.0008, 2.3489, 0.0357, 0.1375, 0.001391, 0.0003815, 0.0419, 0.0384, 0.0879, 0.0000]



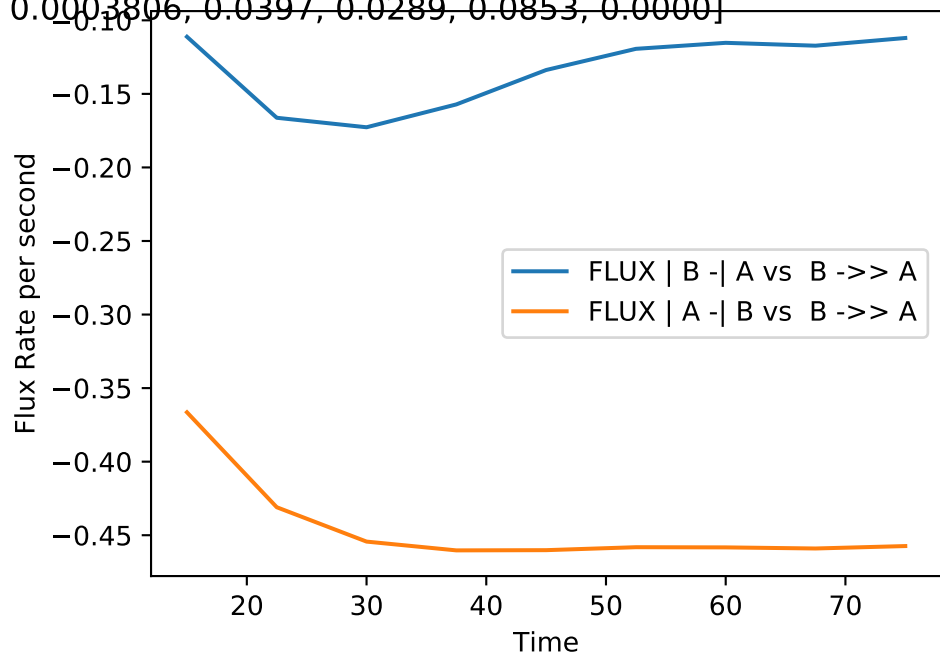
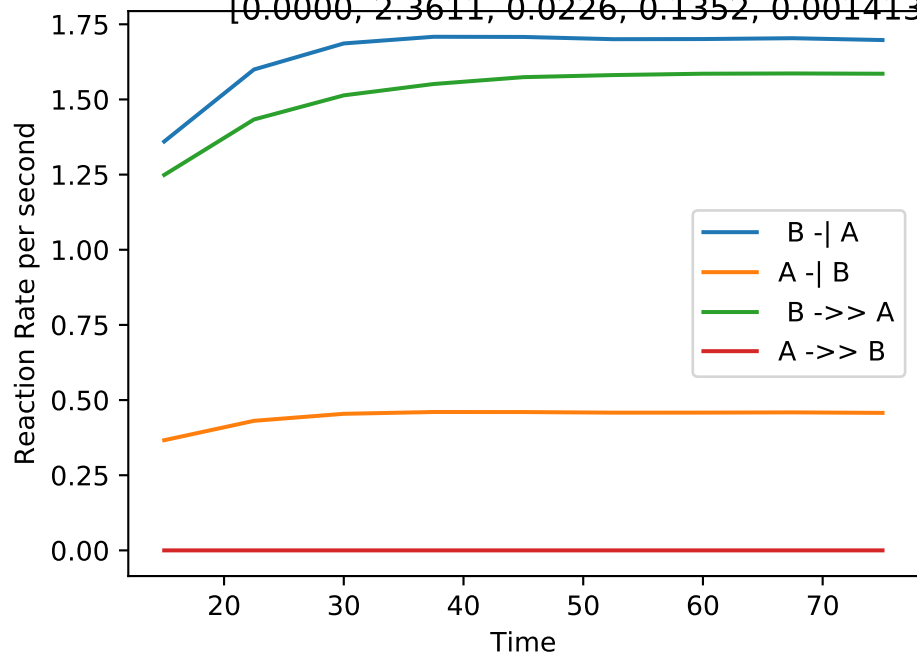
Single_up | MB-LLS Single_up(#83):

[1.2363, 2.2591, 0.0513, 0.1640, 0.0005368, 0.0004784, 0.0147, 0.0171, 0.1183, 0.0000]



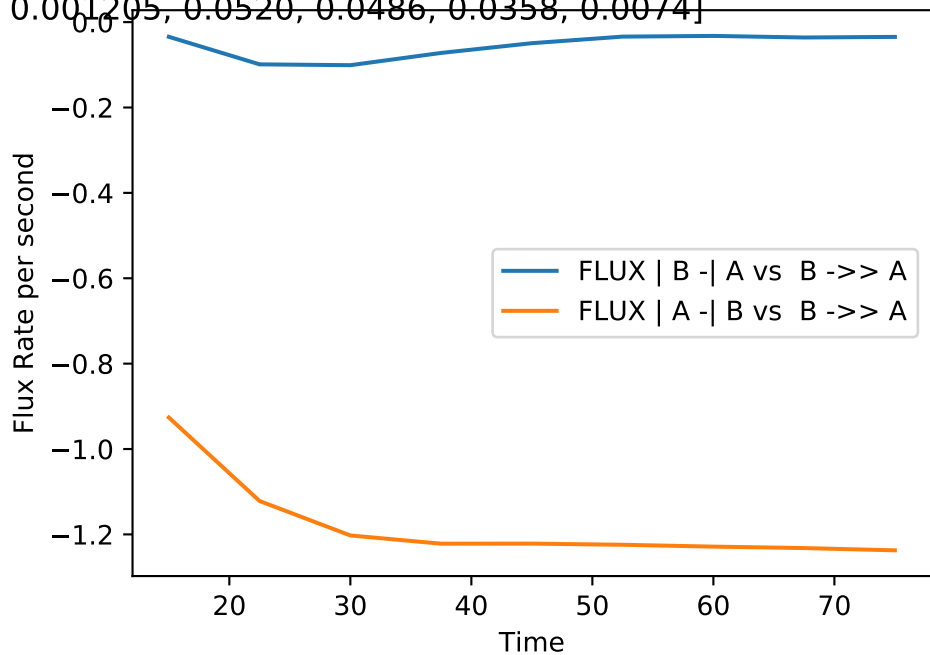
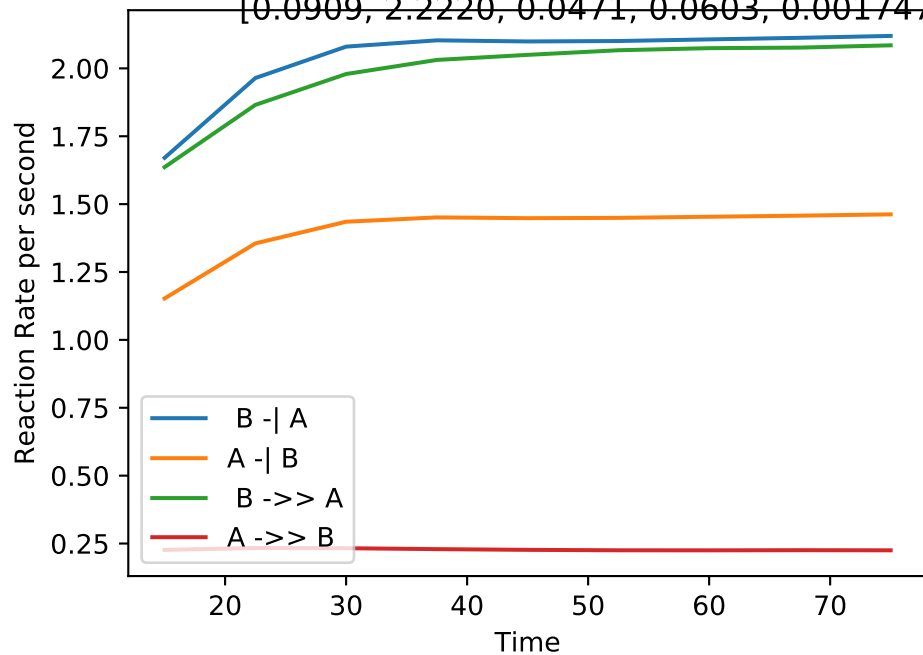
Single_up | MB-LLS Single_up(#84):

[0.0000, 2.3611, 0.0226, 0.1352, 0.001413, 0.0003806, 0.0397, 0.0289, 0.0853, 0.0000]



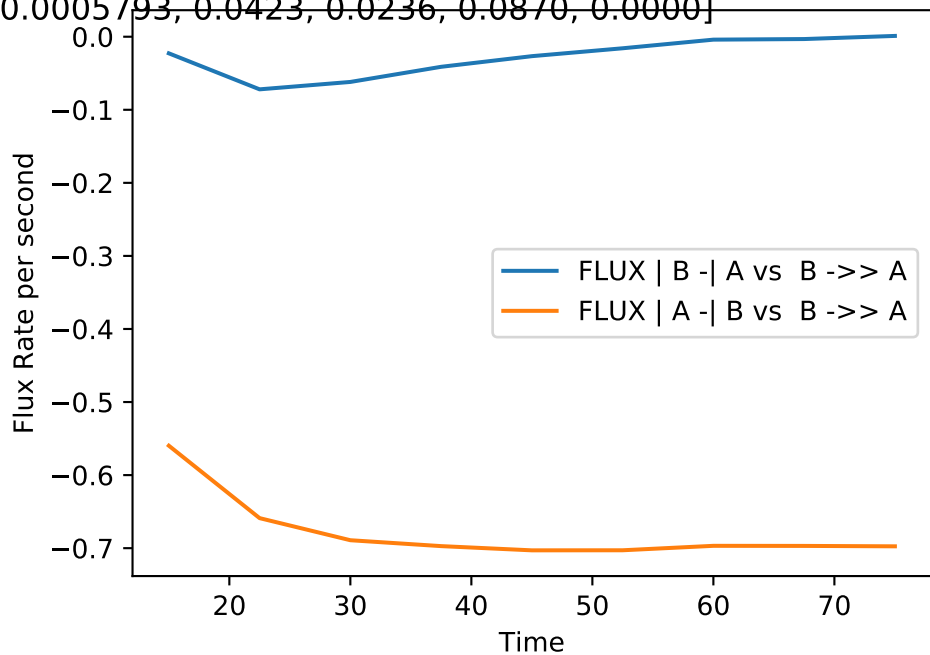
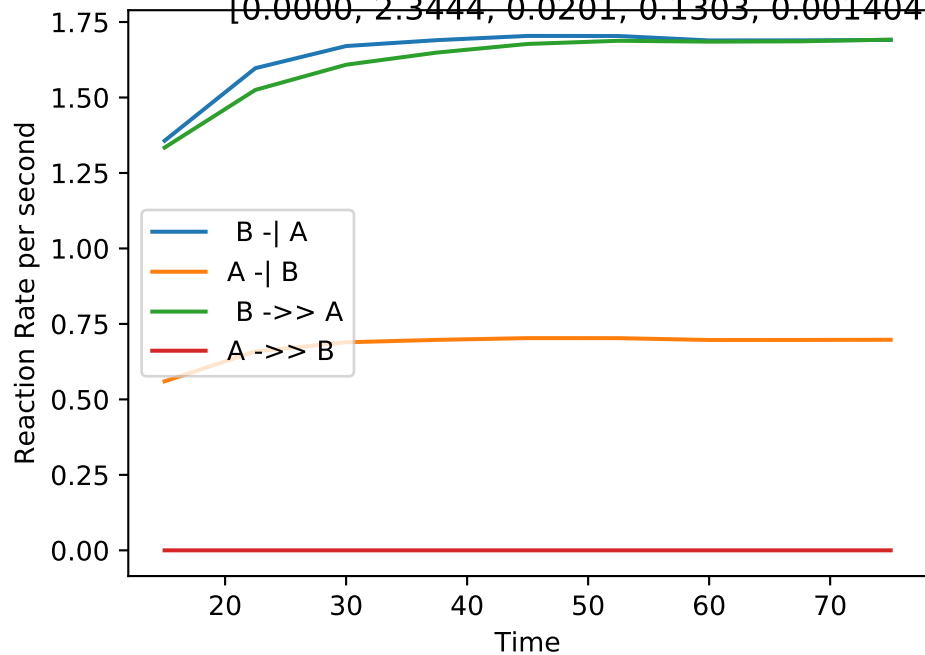
Single_up | MB-LLS Single_up(#85):

[0.0909, 2.2220, 0.0471, 0.0603, 0.001747, 0.001205, 0.0520, 0.0486, 0.0358, 0.0074]



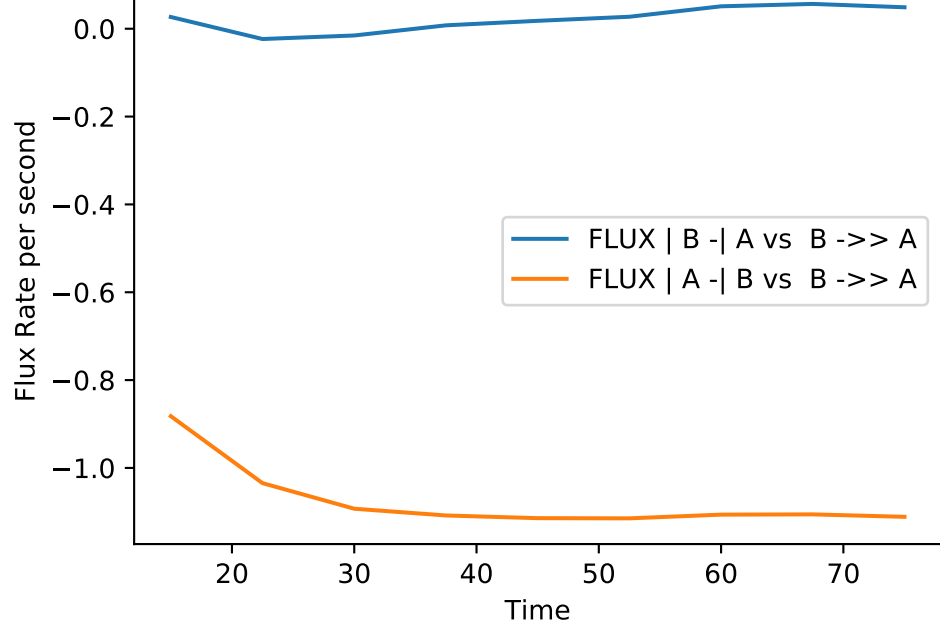
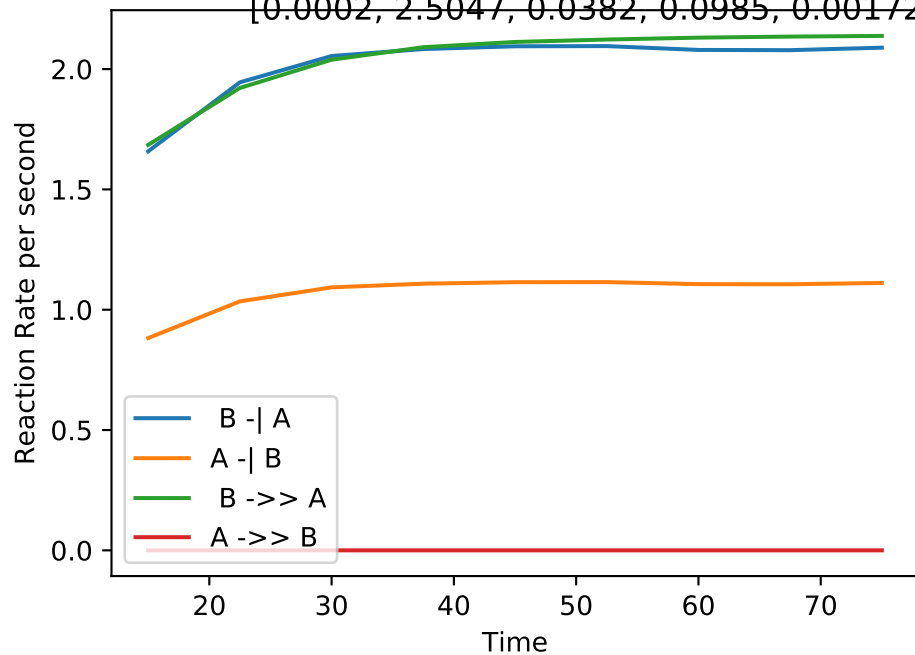
Single_up | MB-LLS Single_up(#86):

[0.0000, 2.3444, 0.0201, 0.1303, 0.001404, 0.0005793, 0.0423, 0.0236, 0.0870, 0.0000]



Single_up | MB-LLS Single_up(#87):

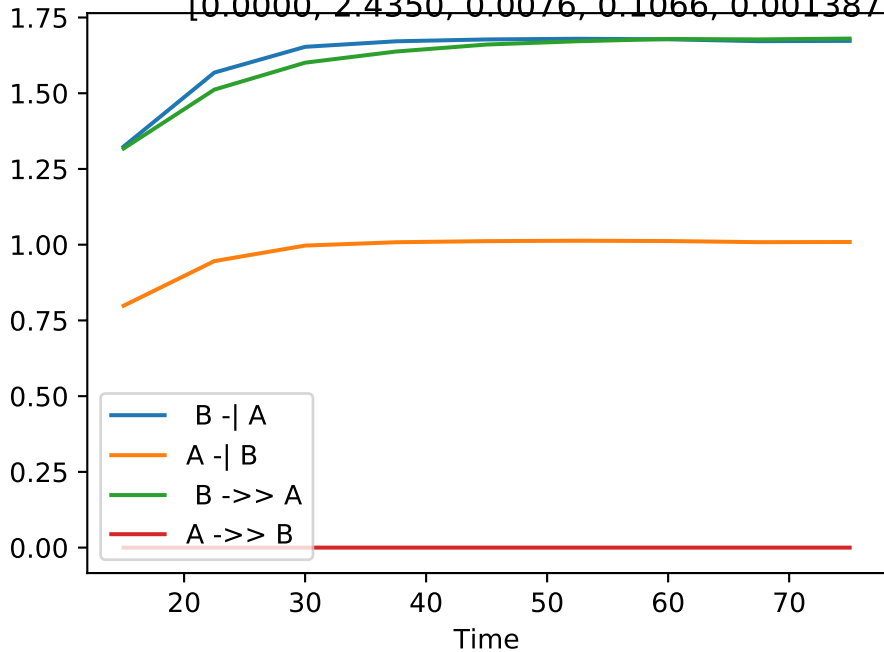
[0.0002, 2.5047, 0.0382, 0.0985, 0.001729, 0.00092, 0.0536, 0.0406, 0.0625, 0.0000]



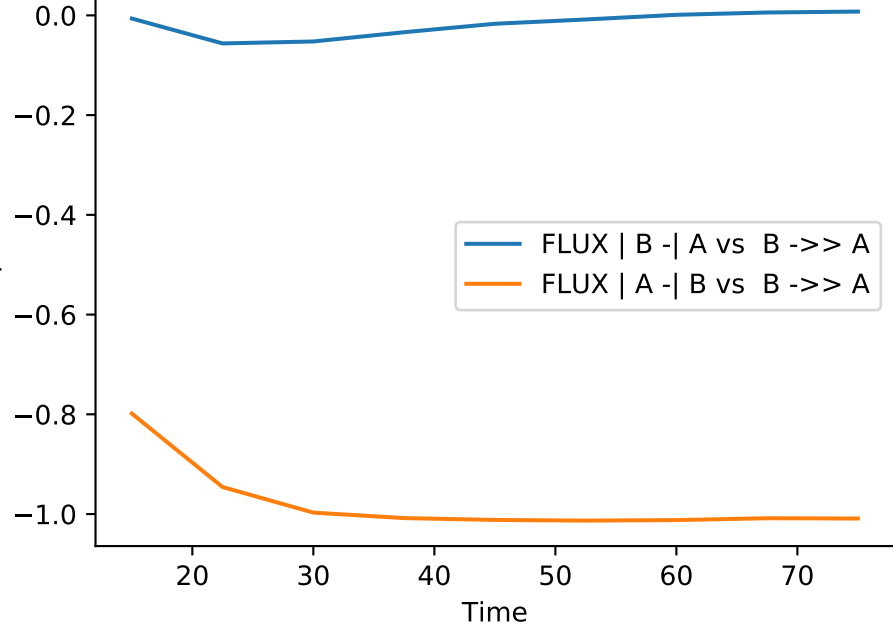
Single_up | MB-LLS Single_up(#88):

[0.0000, 2.4350, 0.0076, 0.1066, 0.001387, 0.0008366, 0.0420, 0.0115, 0.0696, 0.0000]

Reaction Rate per second

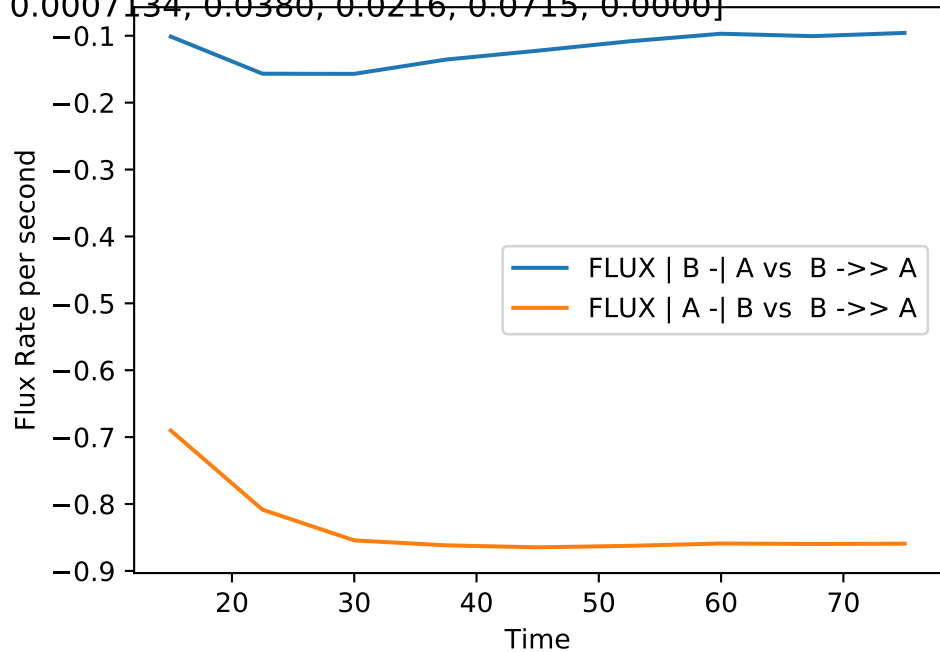
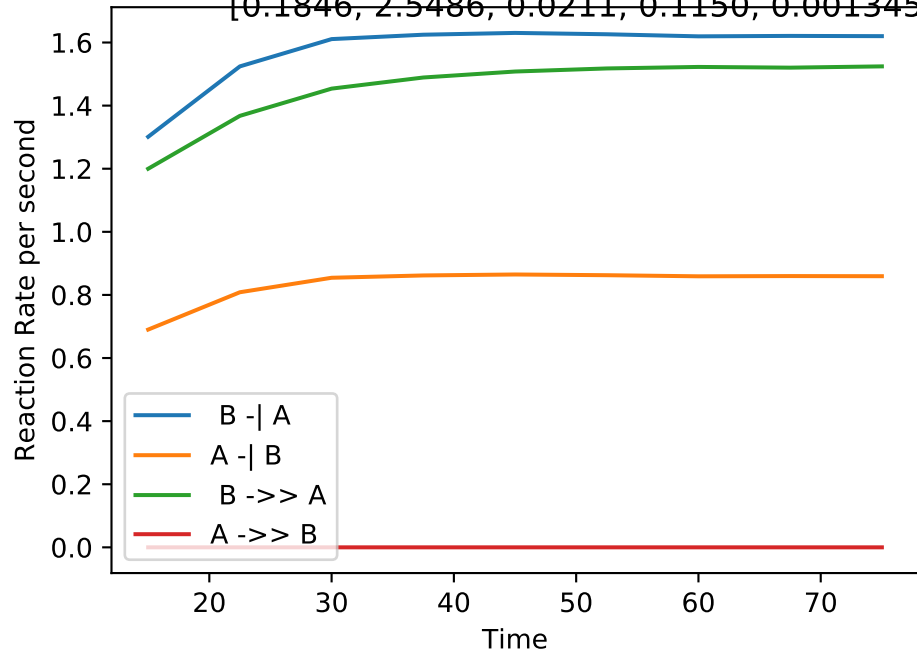


Flux Rate per second



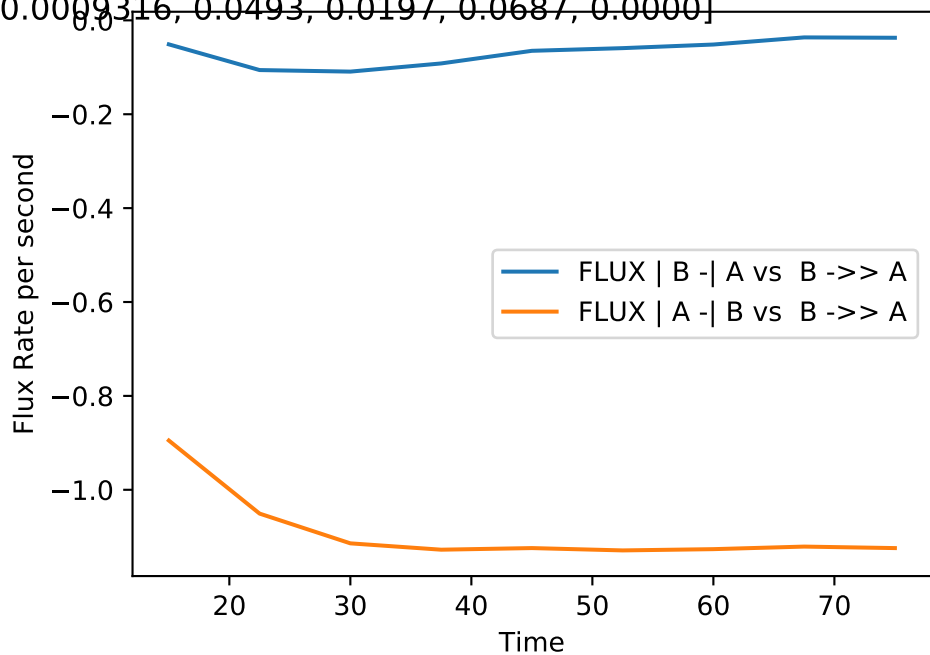
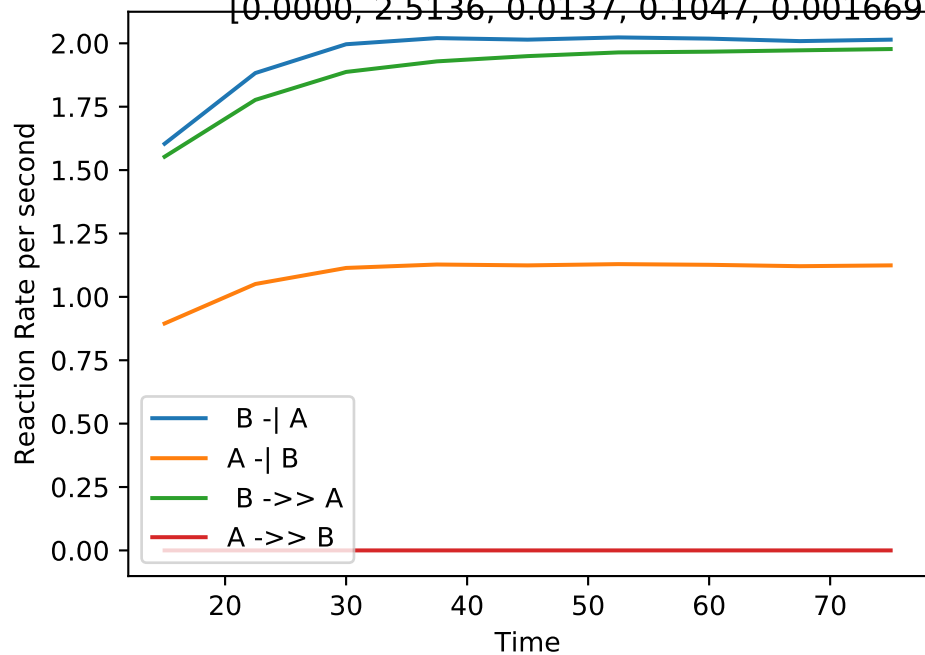
Single_up | MB-LLS Single_up(#89):

[0.1846, 2.5486, 0.0211, 0.1150, 0.001345, 0.0007134, 0.0380, 0.0216, 0.0715, 0.0000]



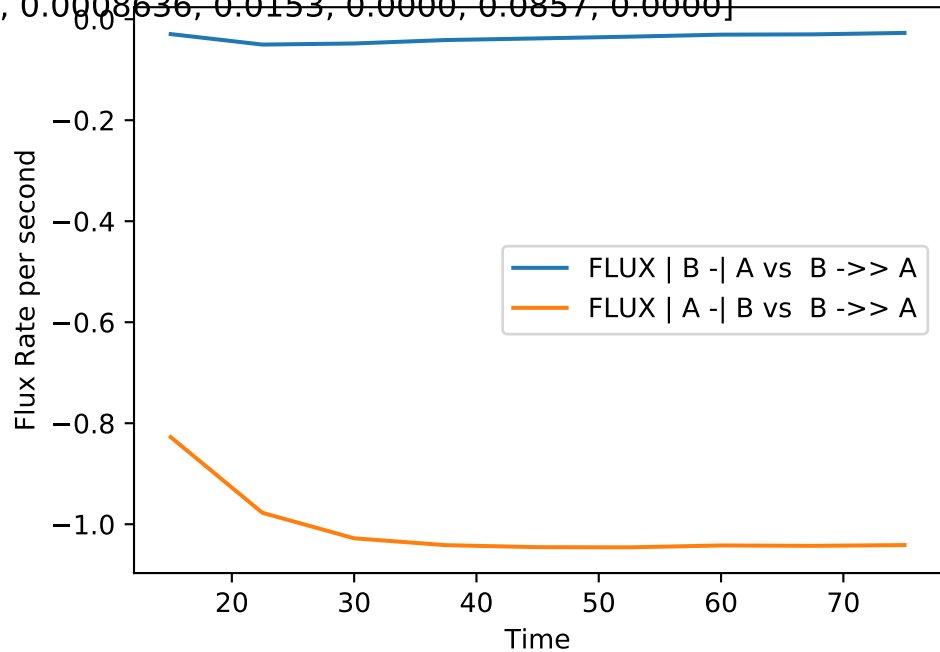
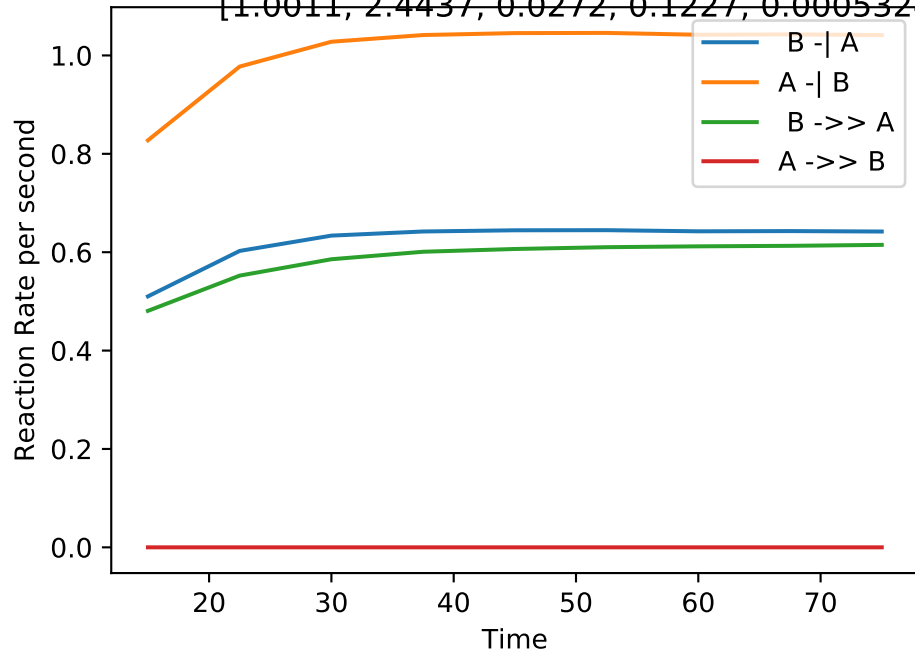
Single_up | MB-LLS Single_up(#90):

[0.0000, 2.5136, 0.0137, 0.1047, 0.001669, 0.0009316, 0.0493, 0.0197, 0.0687, 0.0000]



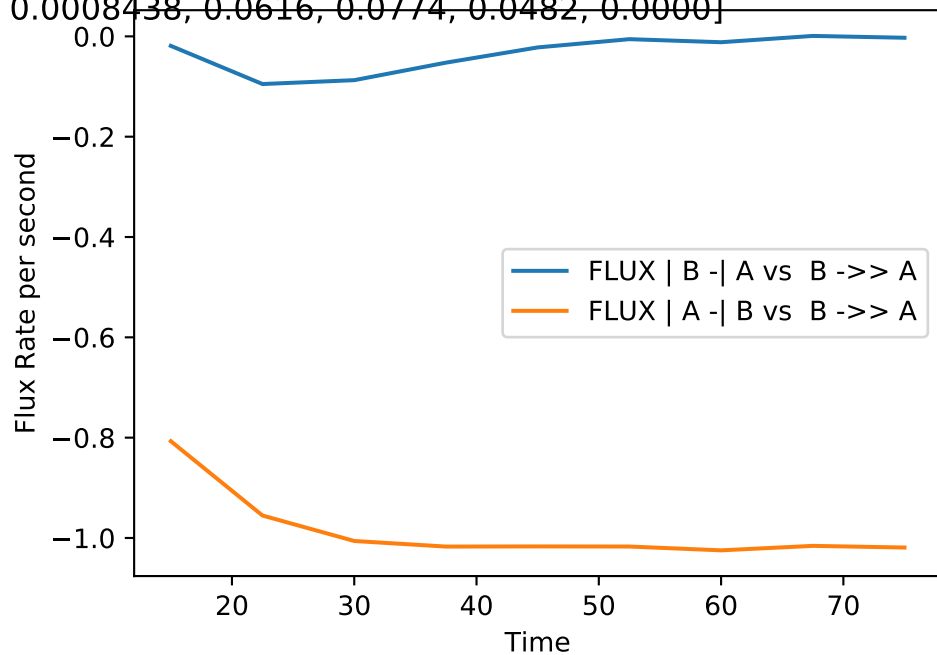
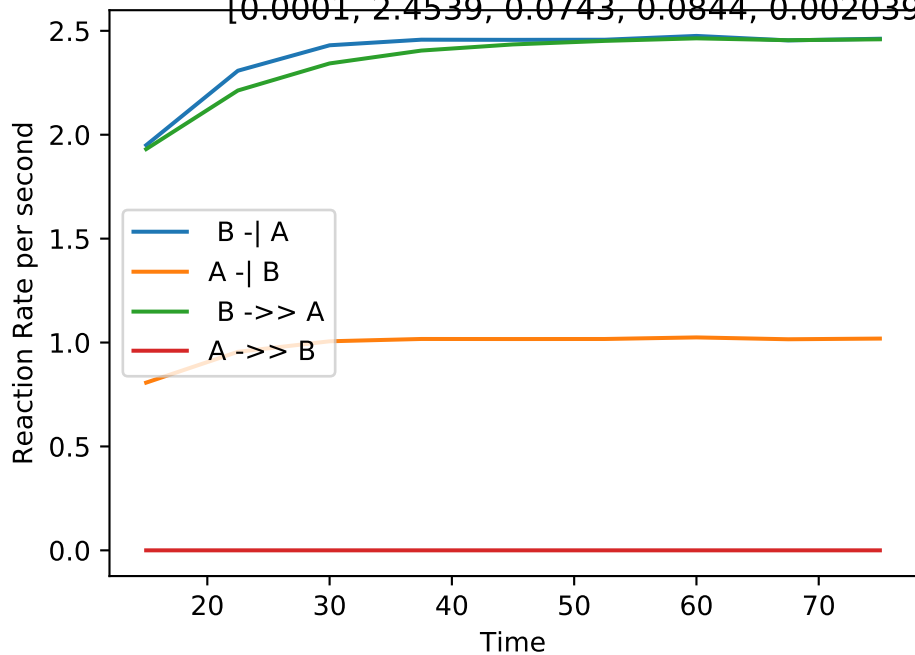
Single_up | MB-LLS Single_up(#91):

[1.0011, 2.4437, 0.0272, 0.1227, 0.0005324, 0.0008636, 0.0153, 0.0000, 0.0857, 0.0000]



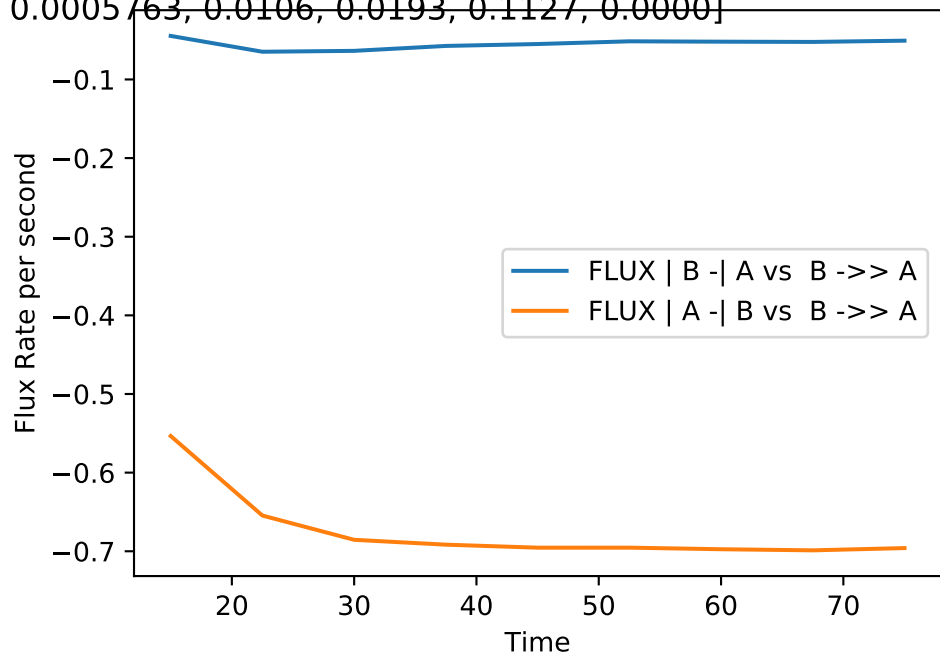
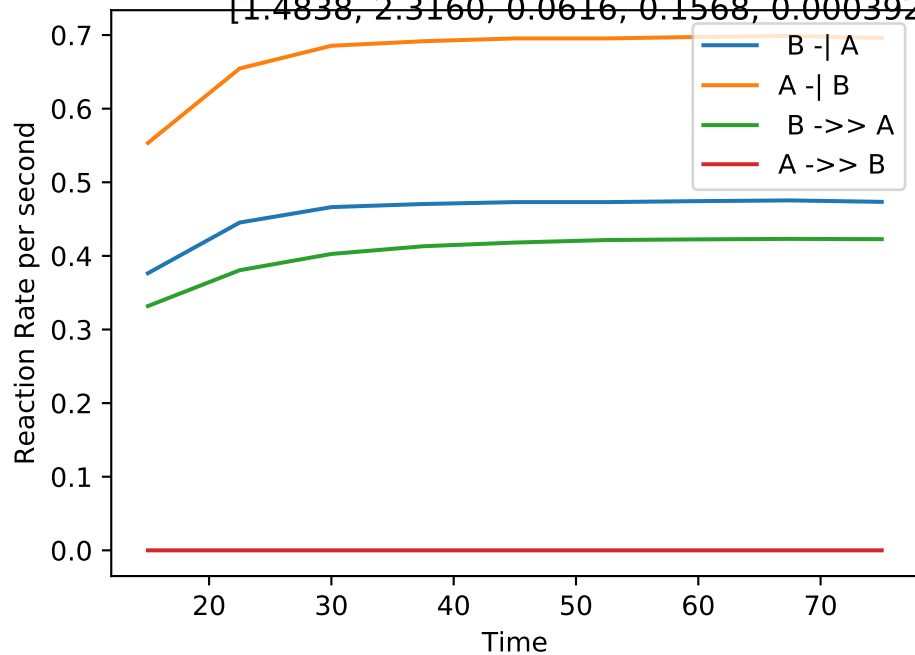
Single_up | MB-LLS Single_up(#92):

[0.0001, 2.4539, 0.0743, 0.0844, 0.002039, 0.0008438, 0.0616, 0.0774, 0.0482, 0.0000]



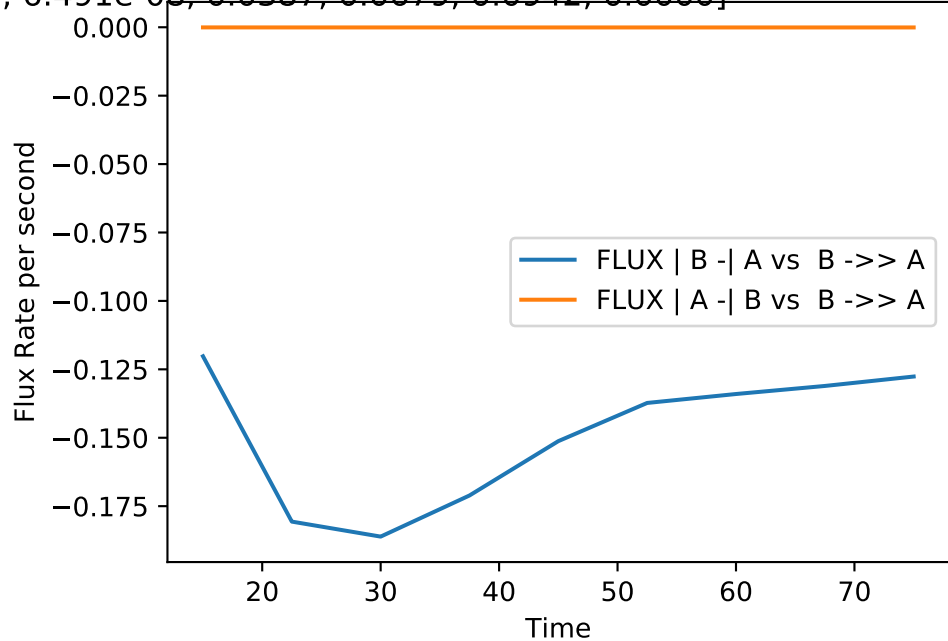
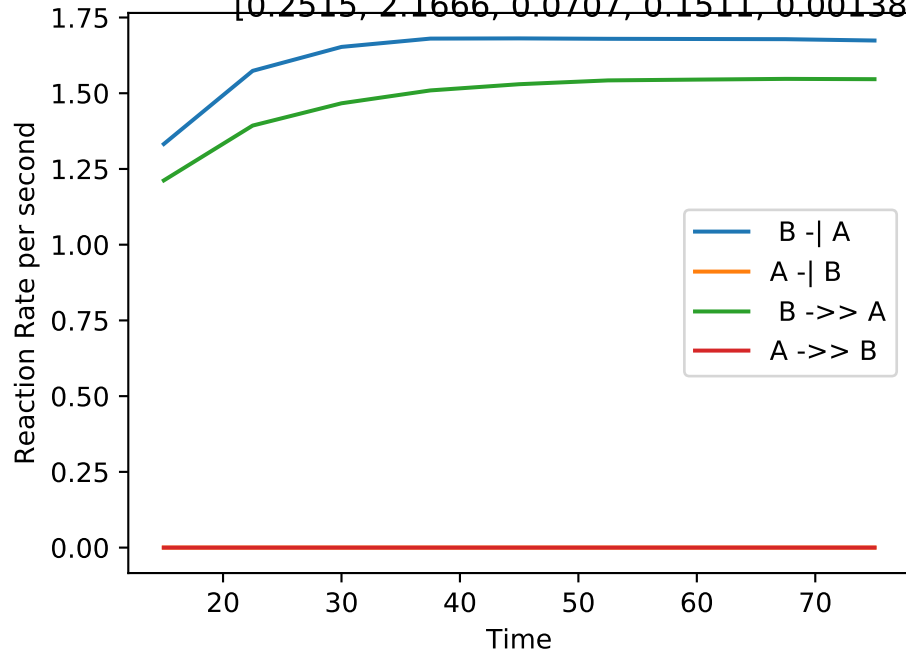
Single_up | MB-LLS Single_up(#93):

[1.4838, 2.3160, 0.0616, 0.1568, 0.000392, 0.0005763, 0.0106, 0.0193, 0.1127, 0.0000]



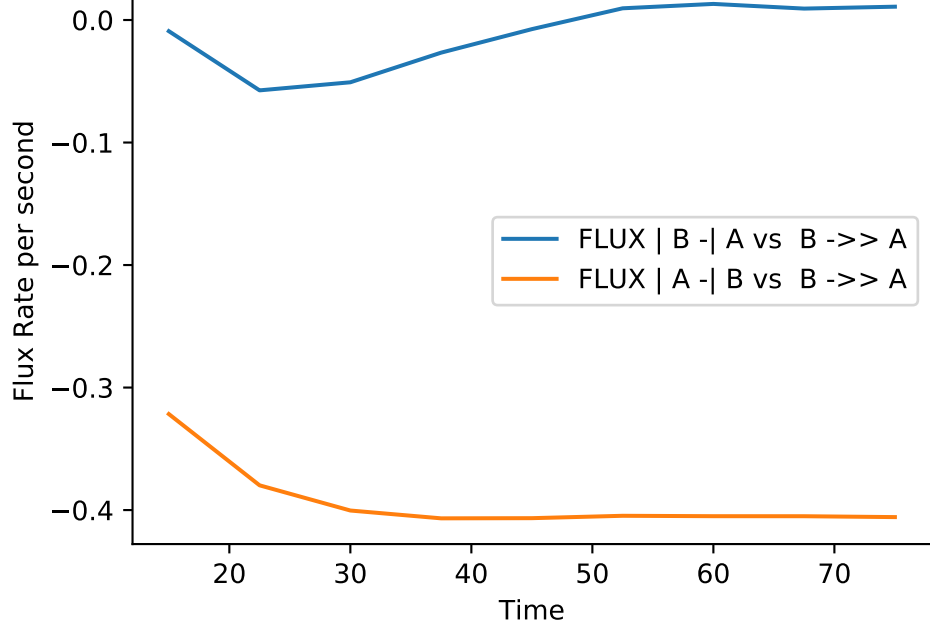
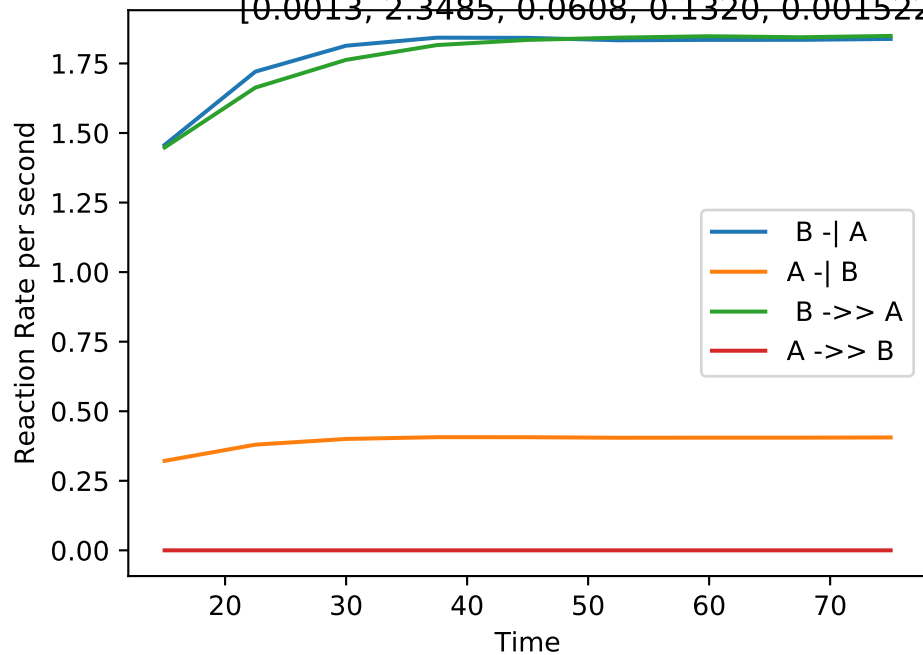
Single_up | MB-LLS Single_up(#94):

[0.2515, 2.1666, 0.0707, 0.1511, 0.001386, 6.491e-08, 0.0387, 0.0679, 0.0942, 0.0000]



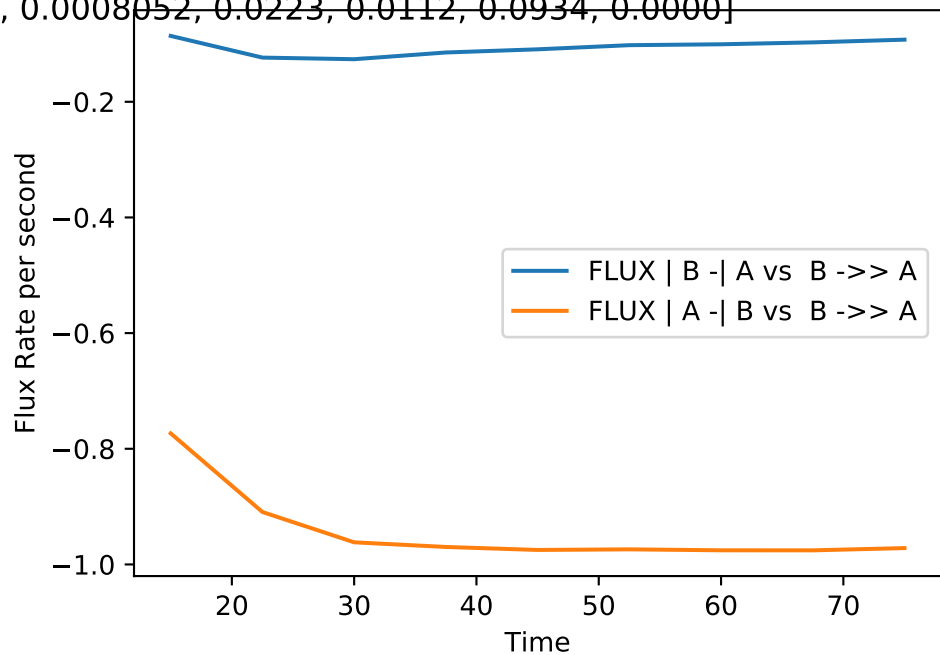
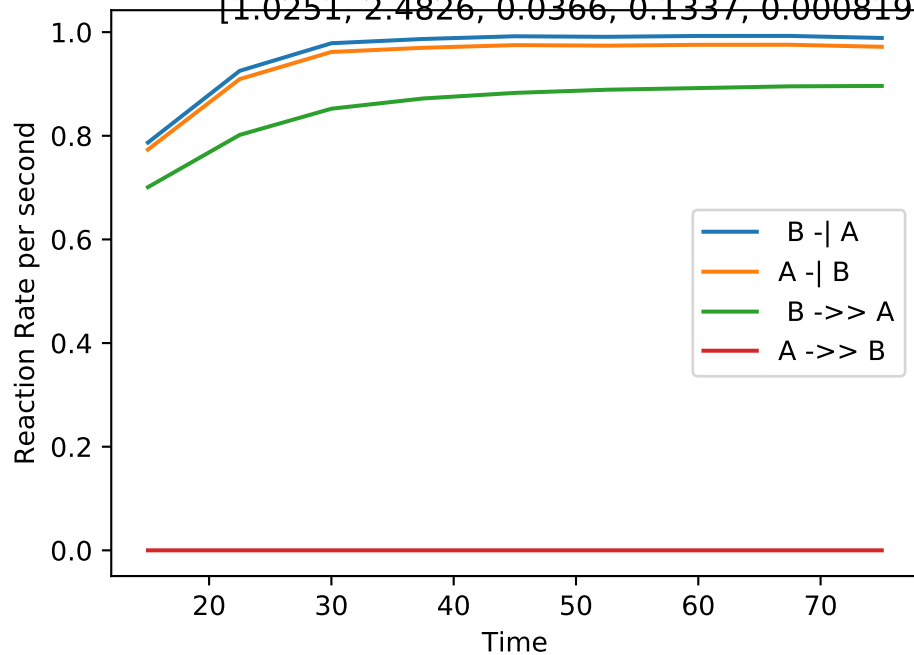
Single_up | MB-LLS Single_up(#95):

[0.0013, 2.3485, 0.0608, 0.1320, 0.001522, 0.000336, 0.0463, 0.0621, 0.0815, 0.0000]



Single_up | MB-LLS Single_up(#96):

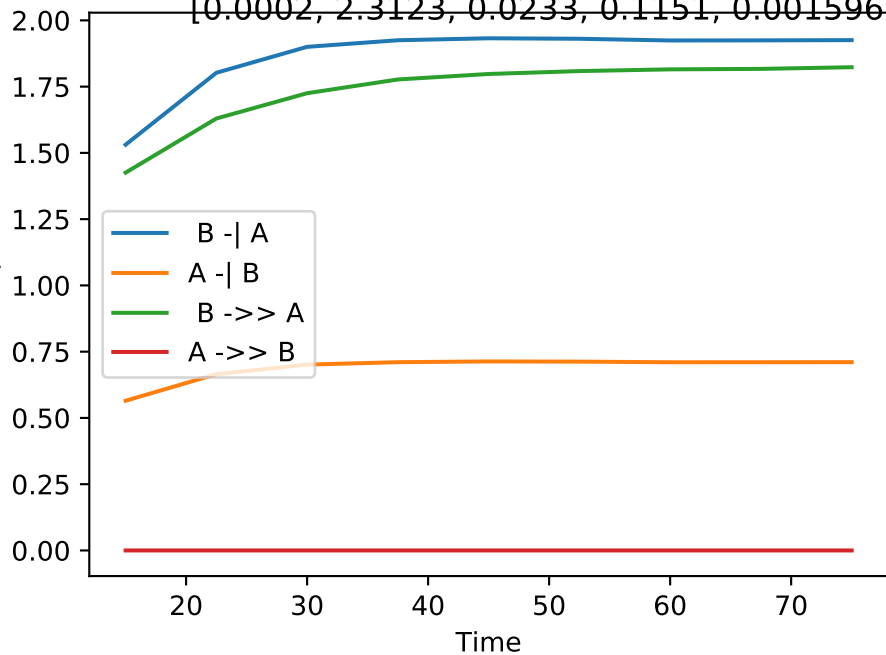
[1.0251, 2.4826, 0.0366, 0.1337, 0.0008193, 0.0008052, 0.0223, 0.0112, 0.0934, 0.0000]



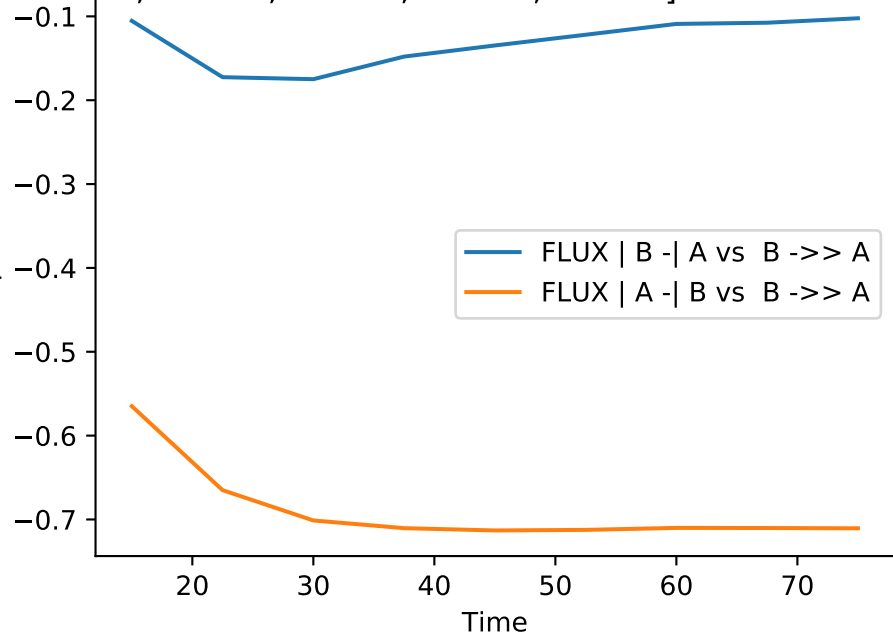
Single_up | MB-LLS Single_up(#97):

[0.0002, 2.3123, 0.0233, 0.1151, 0.001596, 0.0005888, 0.0455, 0.0300, 0.0735, 0.0000]

Reaction Rate per second

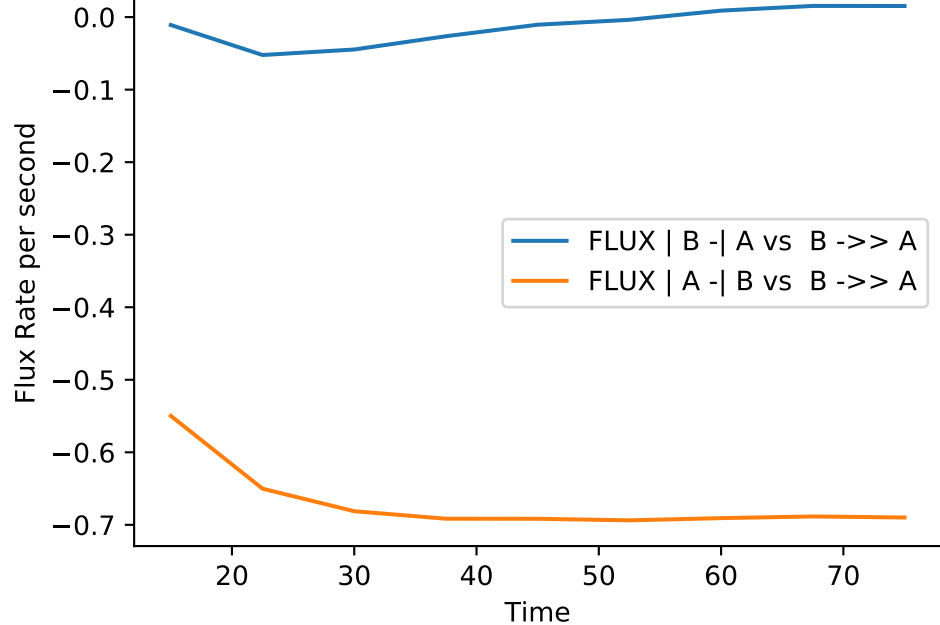
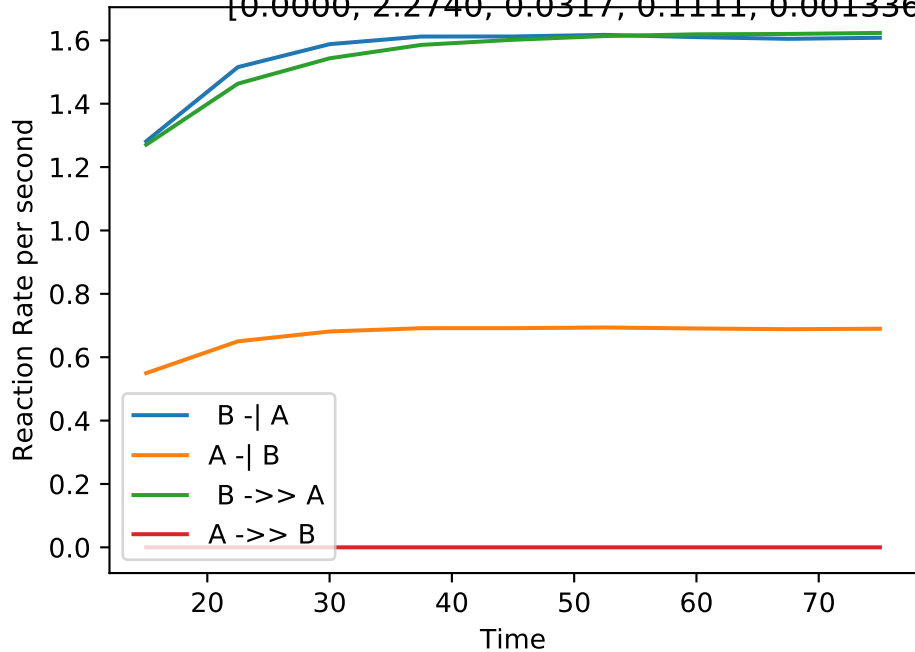


Flux Rate per second



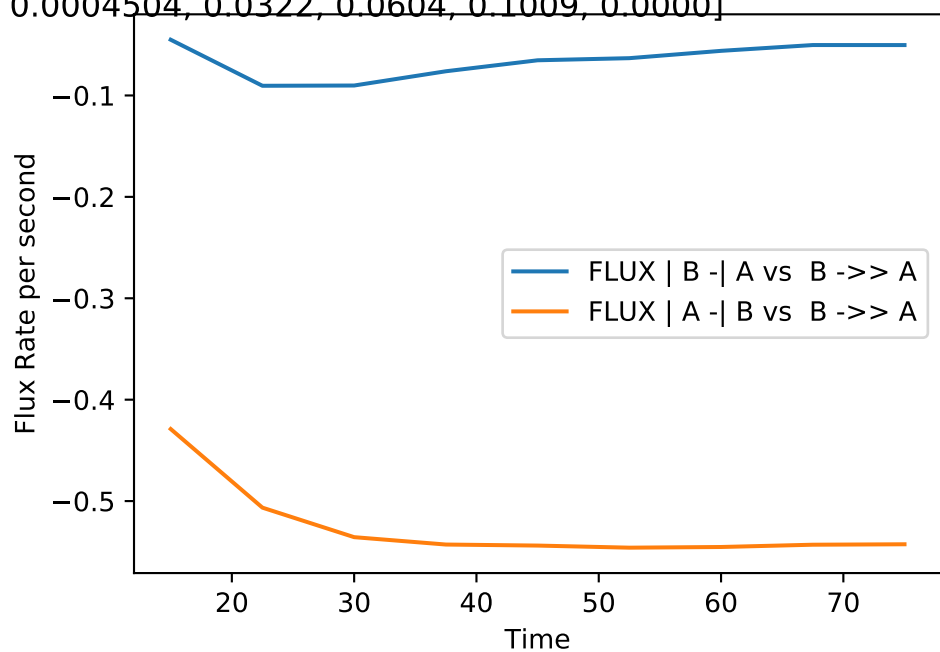
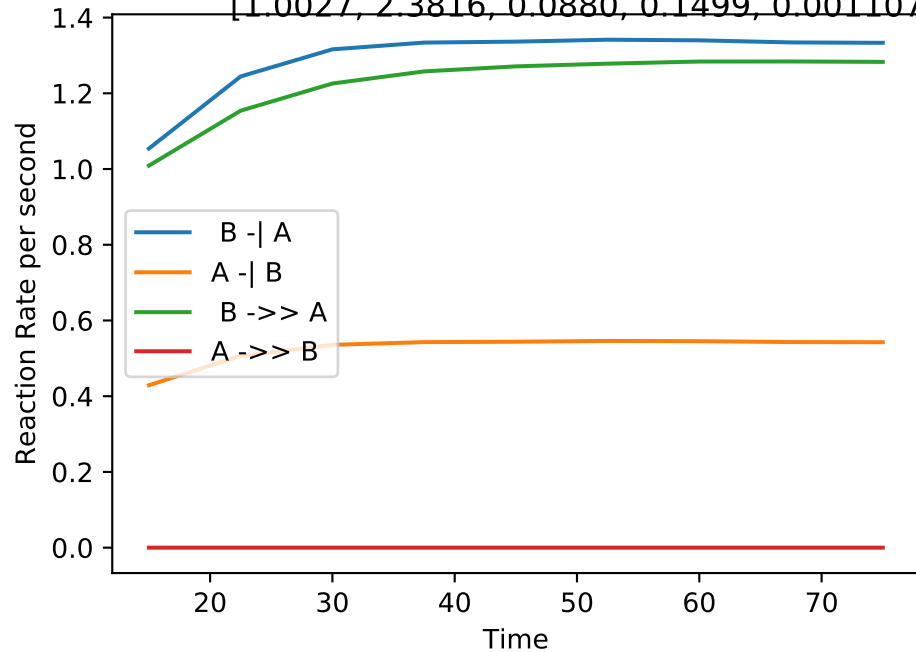
Single_up | MB-LLS Single_up(#98):

[0.0000, 2.2740, 0.0317, 0.1111, 0.001336, 0.0005734, 0.0405, 0.0341, 0.0702, 0.0000]



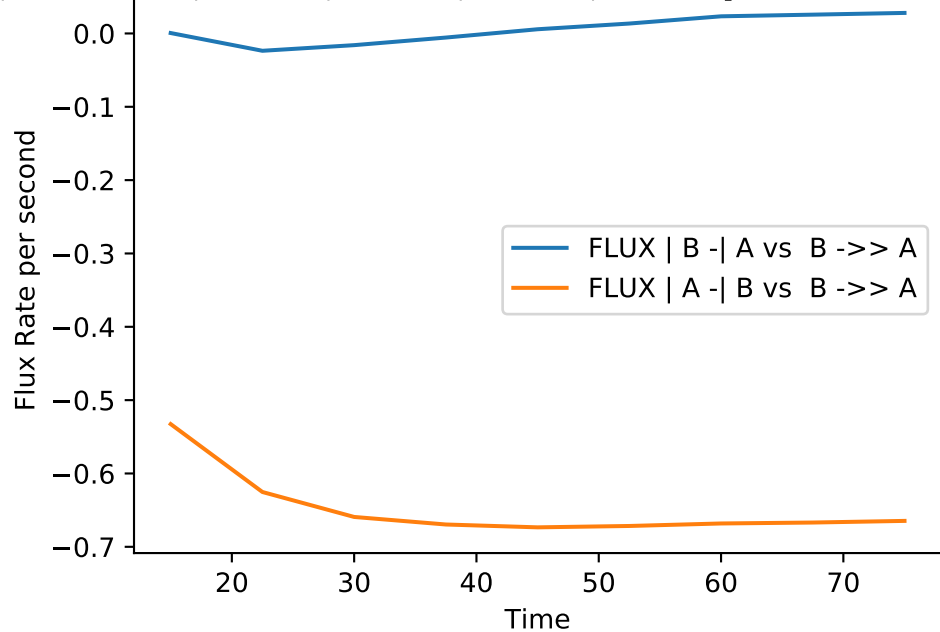
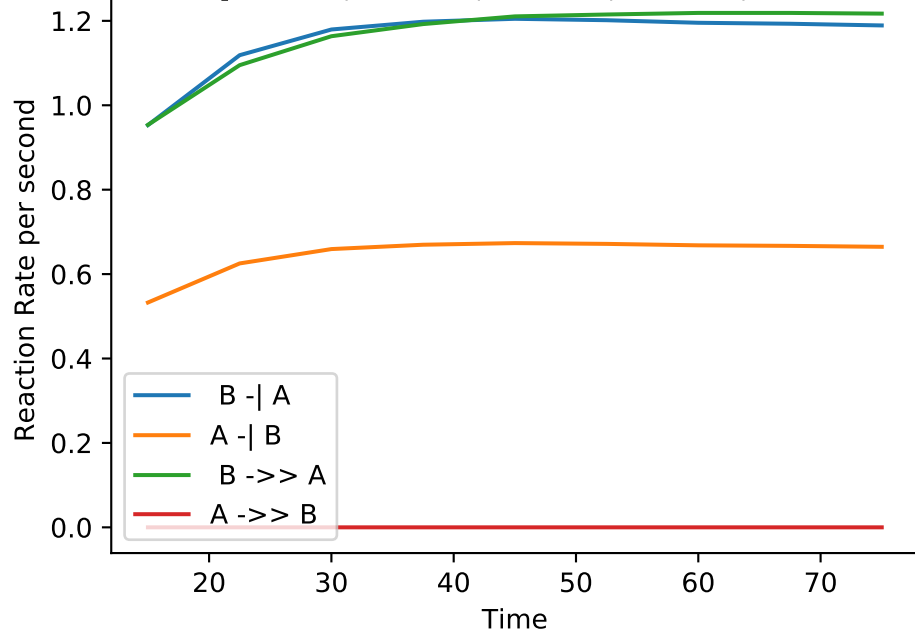
Single_up | MB-LLS Single_up(#99):

[1.0027, 2.3816, 0.0880, 0.1499, 0.001107, 0.0004504, 0.0322, 0.0604, 0.1009, 0.0000]



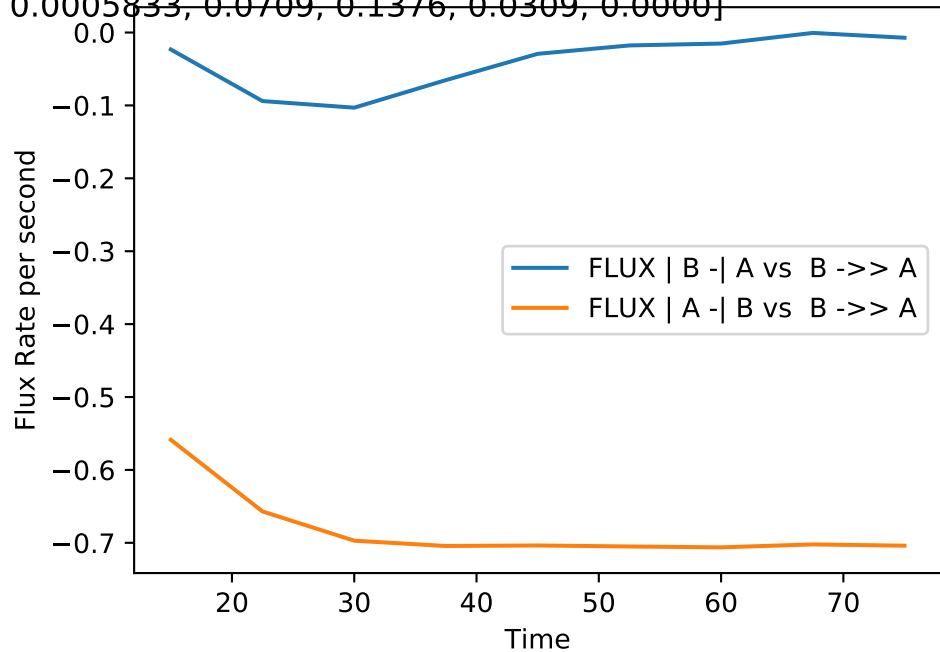
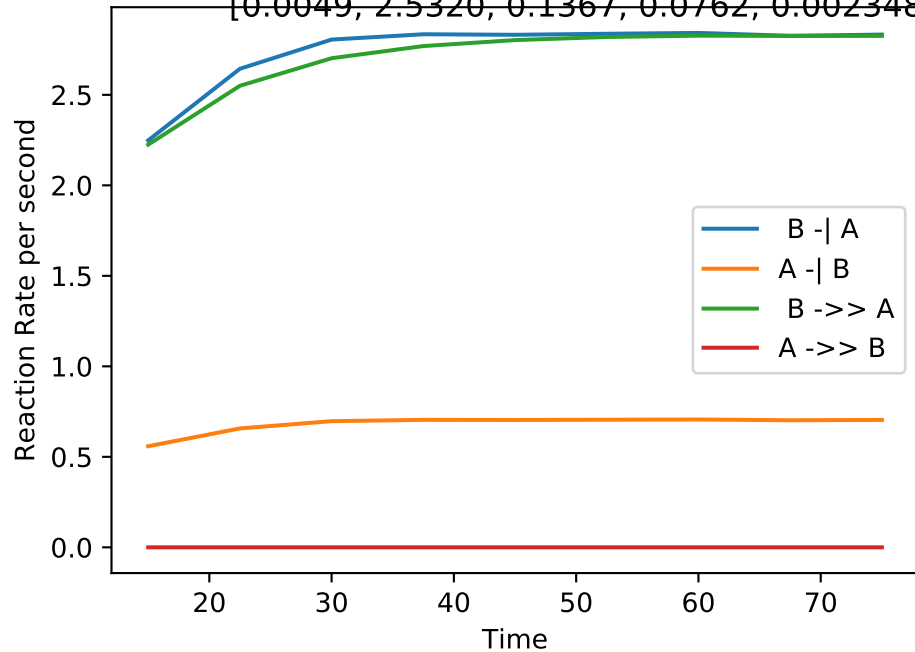
Single_up | MB-LLS Single_up(#100):

[0.0000, 2.4669, 0.0000, 0.1369, 0.0009922, 0.0005546, 0.0305, 0.0023, 0.0897, 0.0000]



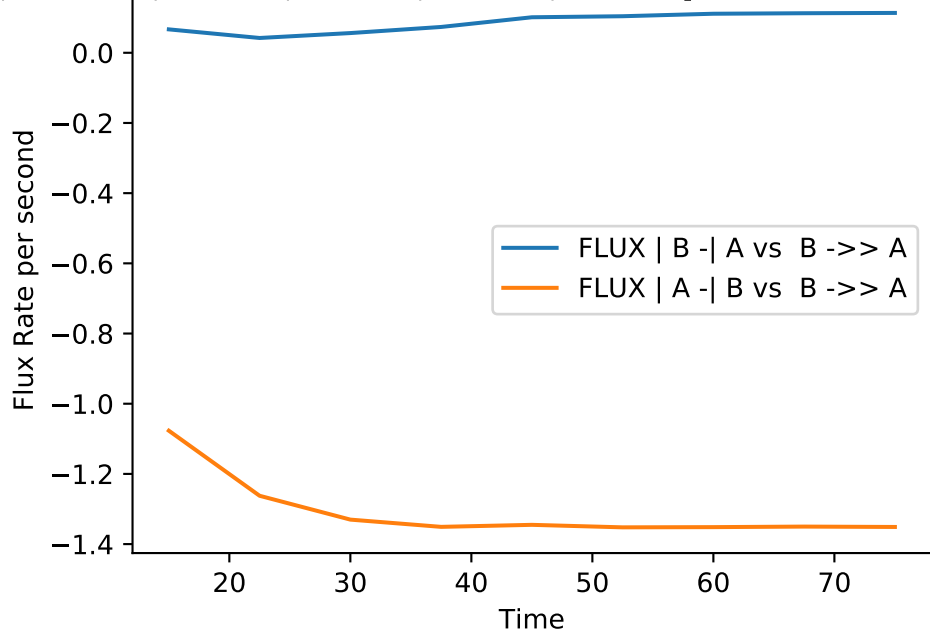
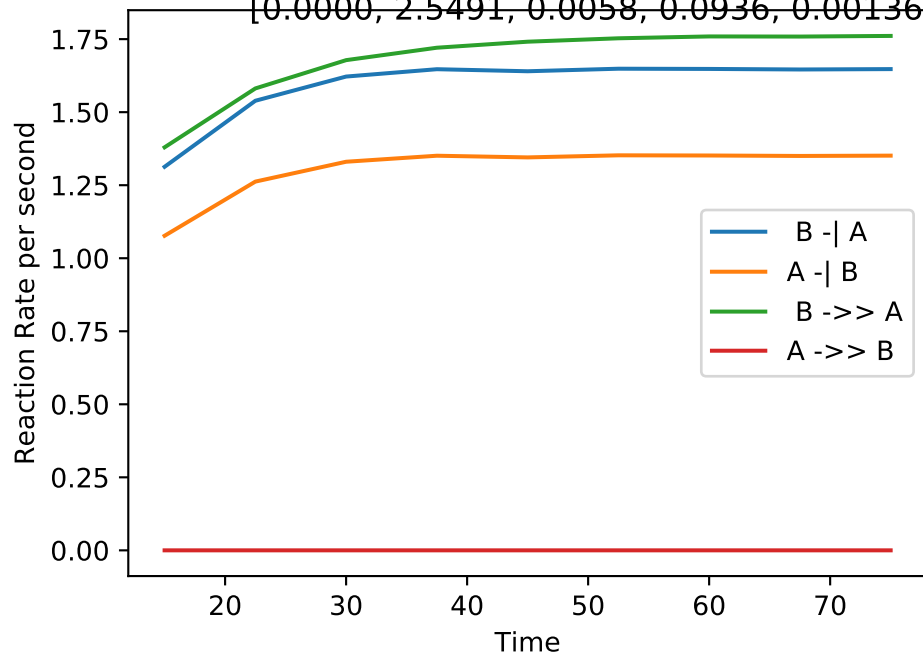
Single_up | MB-LLS Single_up(#101):

[0.0049, 2.5320, 0.1367, 0.0762, 0.002348, 0.0005833, 0.0709, 0.1376, 0.0309, 0.0000]



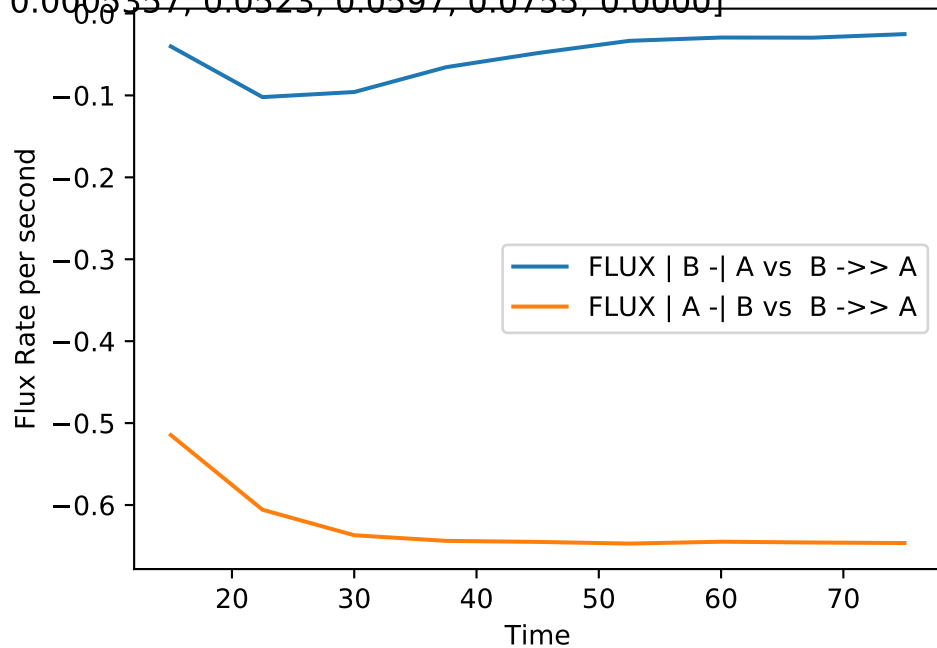
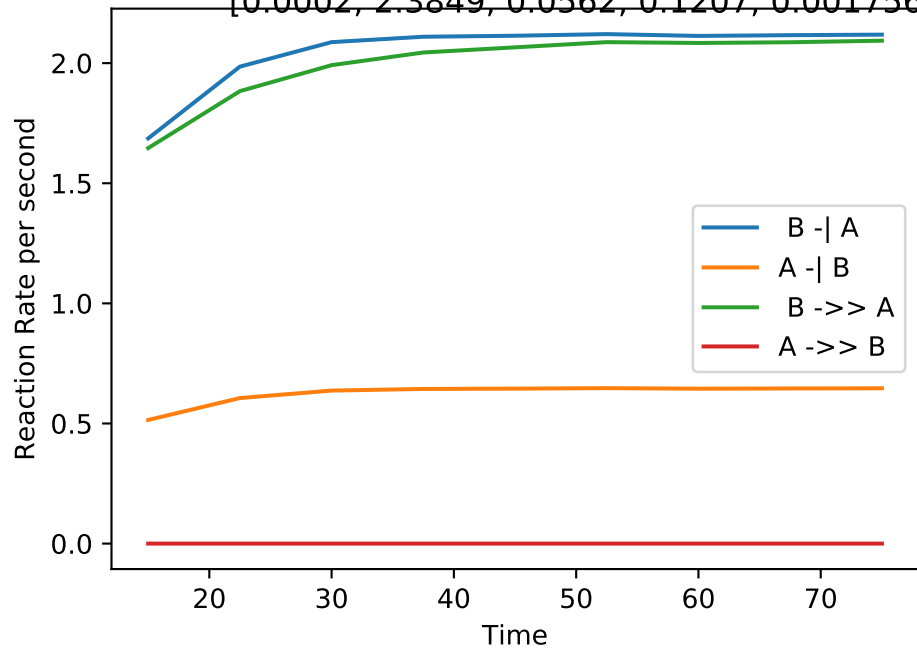
Single_up | MB-LLS Single_up(#102):

[0.0000, 2.5491, 0.0058, 0.0936, 0.001366, 0.00112, 0.0440, 0.0068, 0.0626, 0.0000]



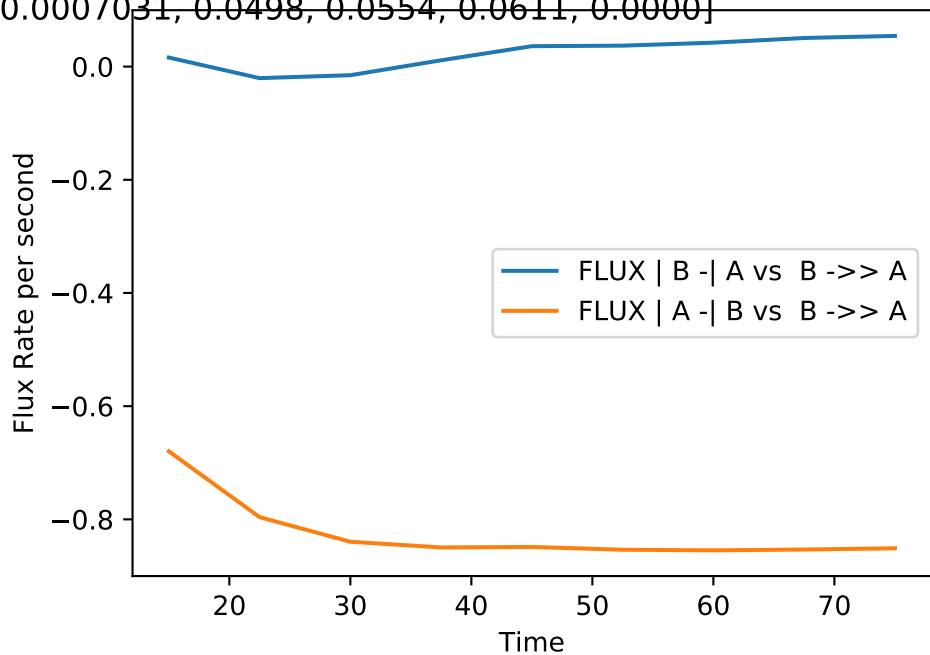
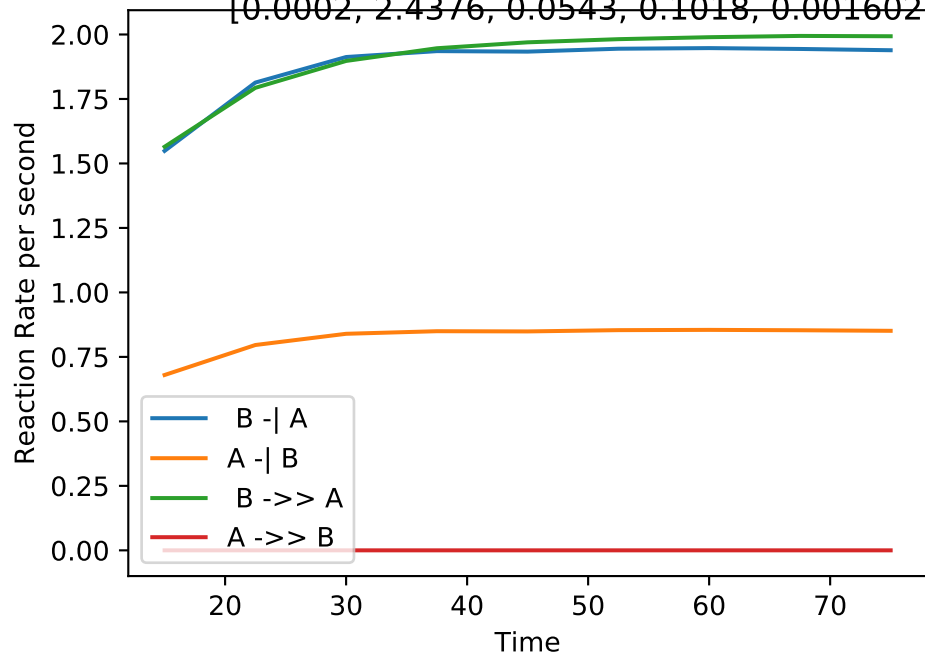
Single_up | MB-LLS Single_up(#103):

[0.0002, 2.3849, 0.0562, 0.1207, 0.001756, 0.0005357, 0.0523, 0.0597, 0.0755, 0.0000]



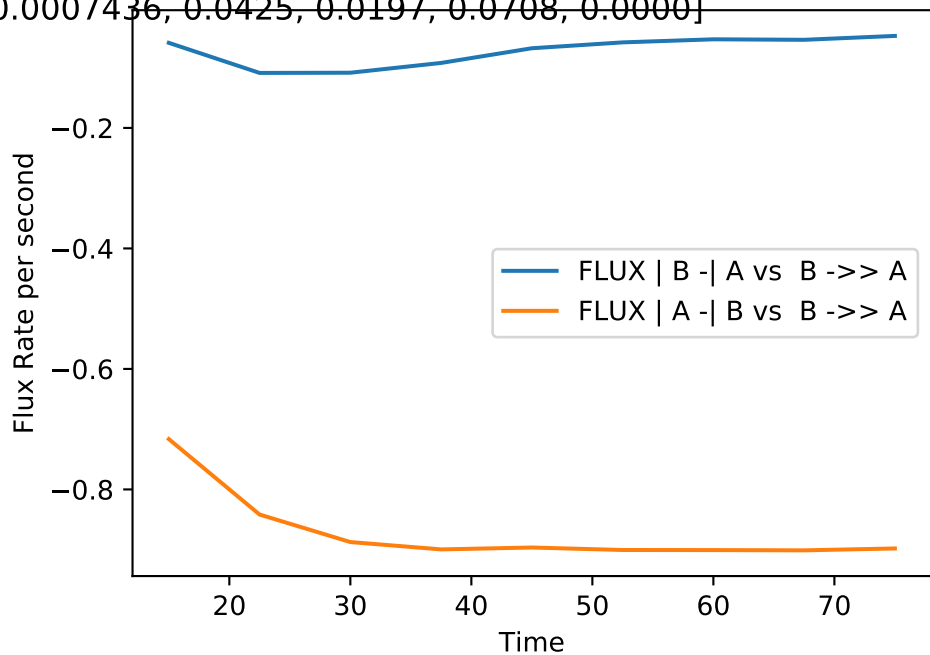
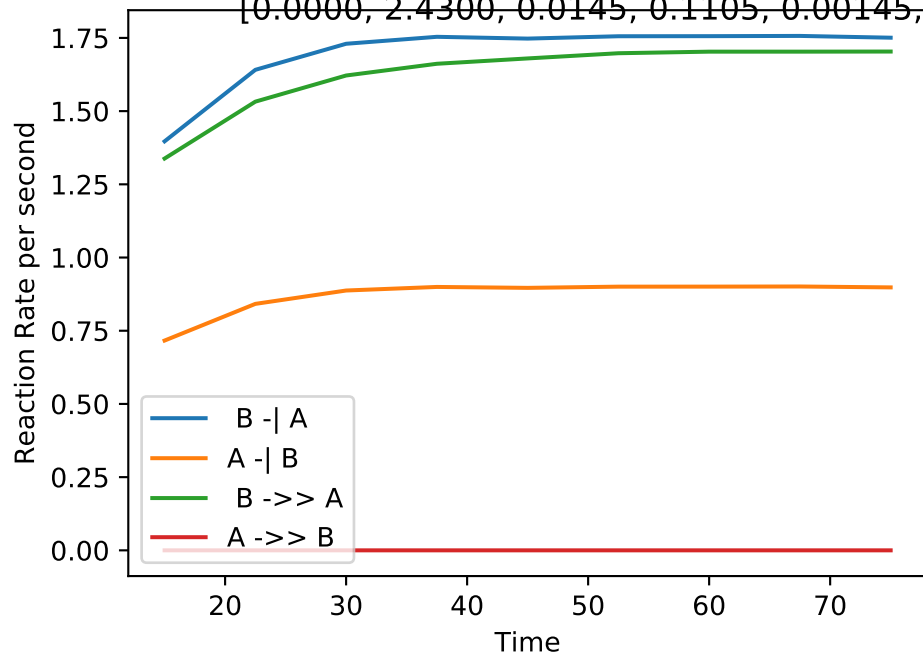
Single_up | MB-LLS Single_up(#104):

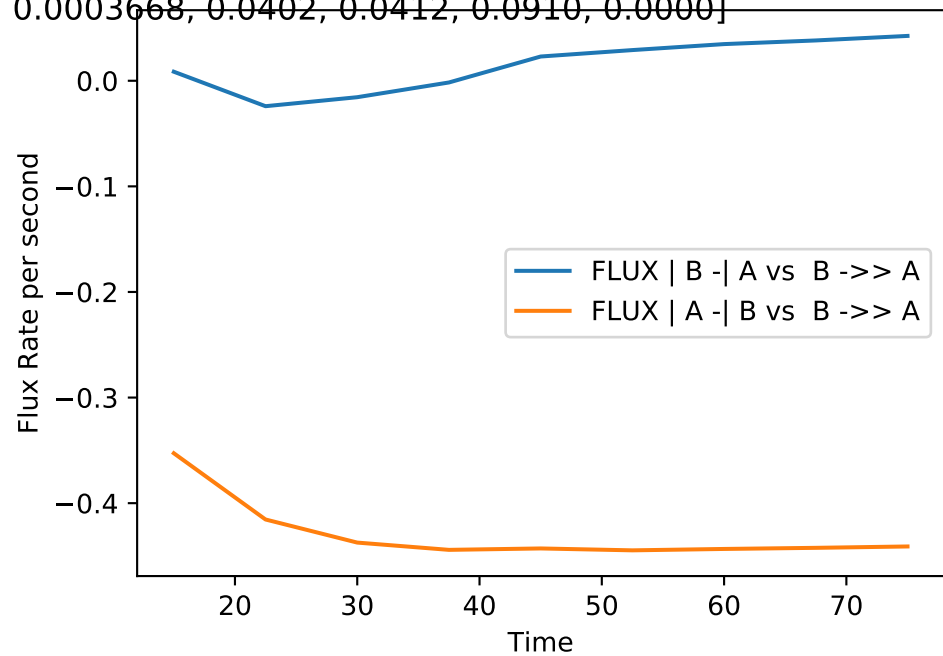
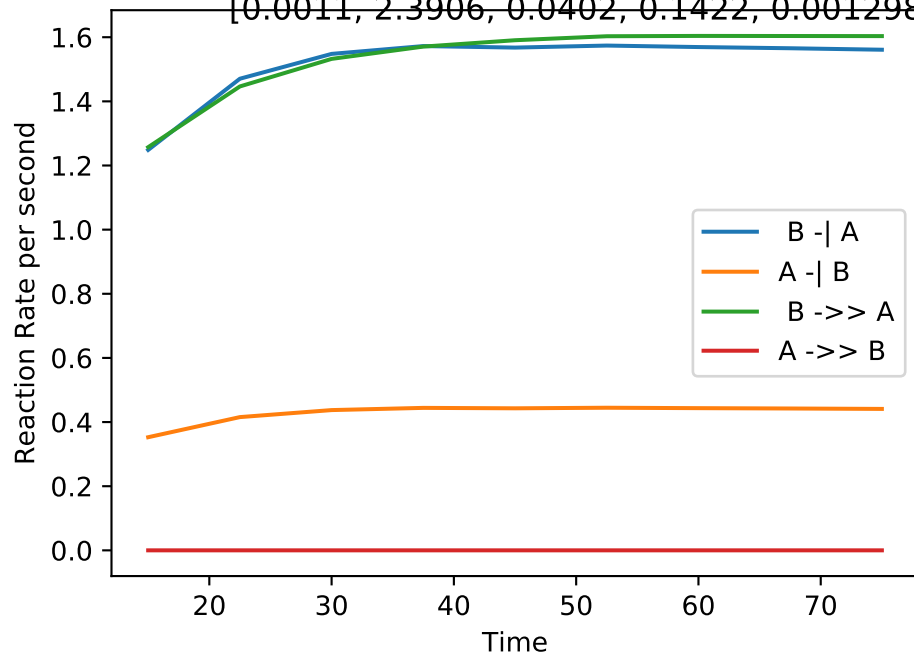
[0.0002, 2.4376, 0.0543, 0.1018, 0.001602, 0.0007031, 0.0498, 0.0554, 0.0611, 0.0000]



Single_up | MB-LLS Single_up(#105):

[0.0000, 2.4300, 0.0145, 0.1105, 0.00145, 0.0007436, 0.0425, 0.0197, 0.0708, 0.0000]

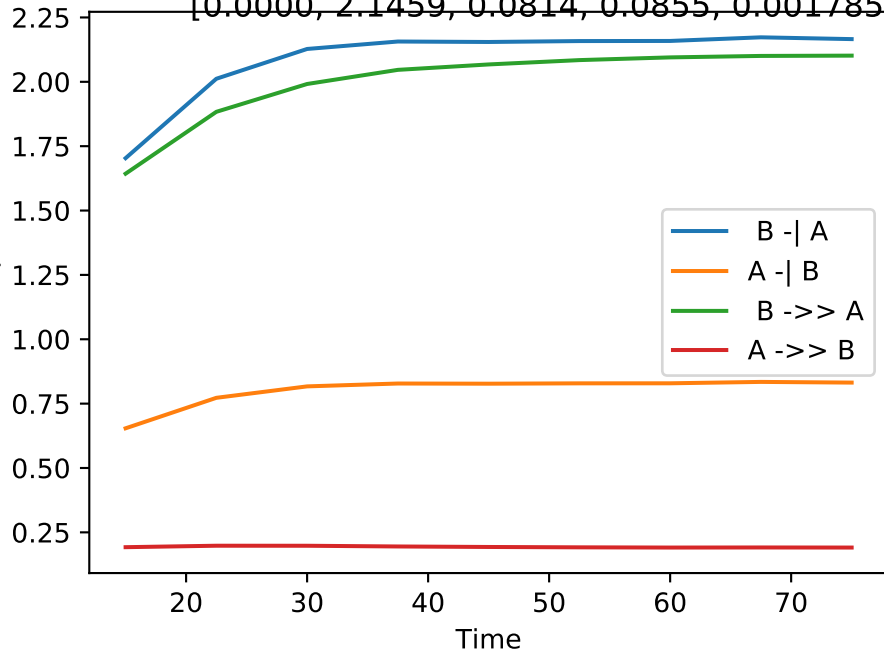


~~[0.0011, 2.3906, 0.0402, 0.1422, 0.001298, 0.0003668, 0.0402, 0.0412, 0.0910, 0.0000]~~

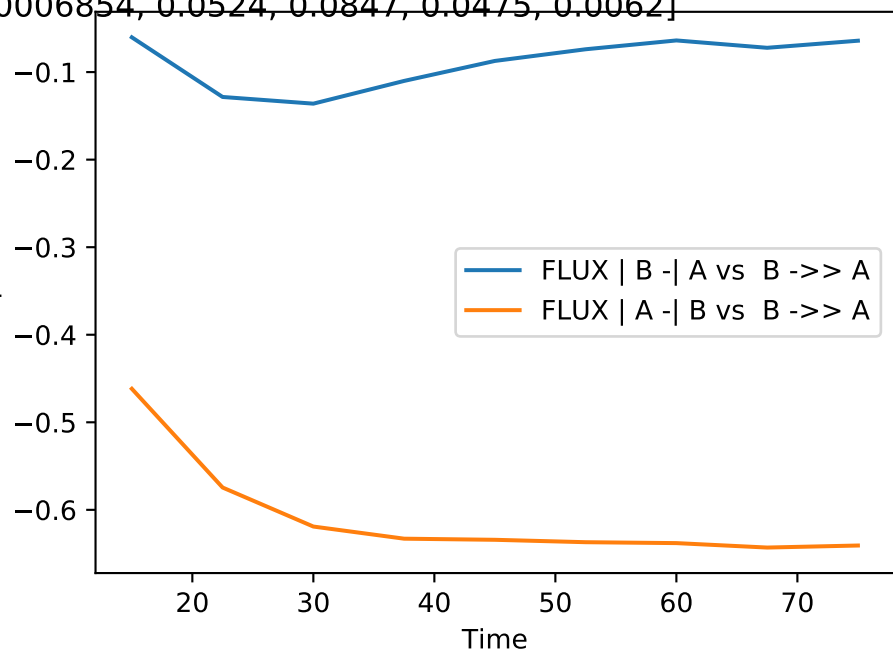
Single_up | MB-LLS Single_up(#107):

[0.0000, 2.1459, 0.0814, 0.0855, 0.001785, 0.0006854, 0.0524, 0.0847, 0.0475, 0.0062]

Reaction Rate per second

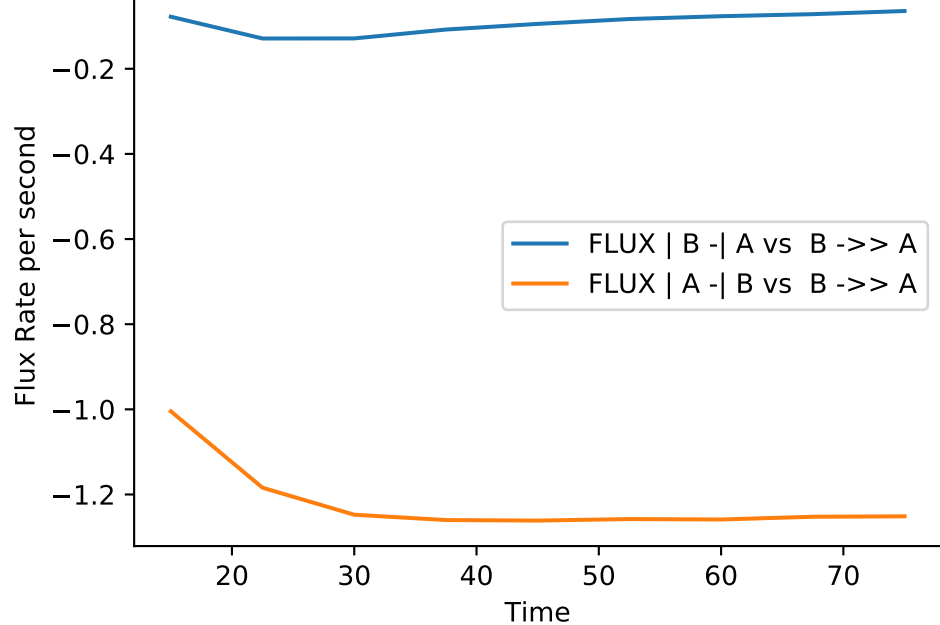
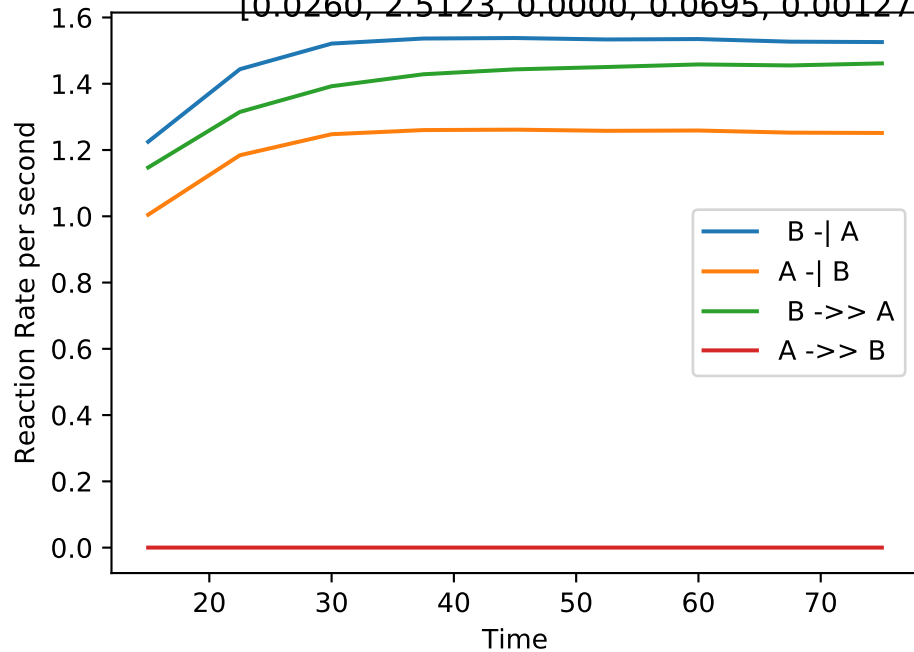


Flux Rate per second



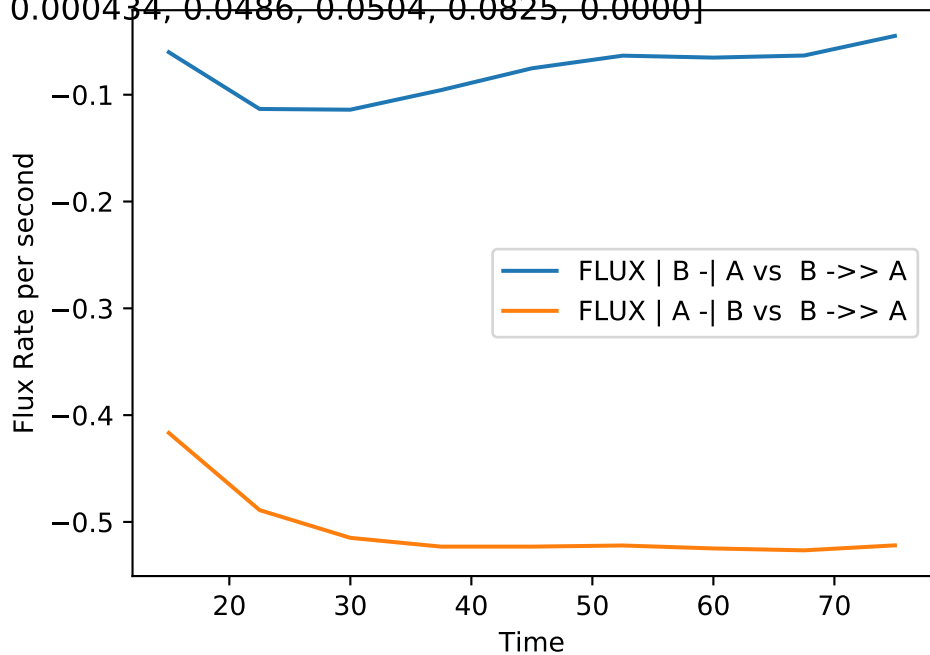
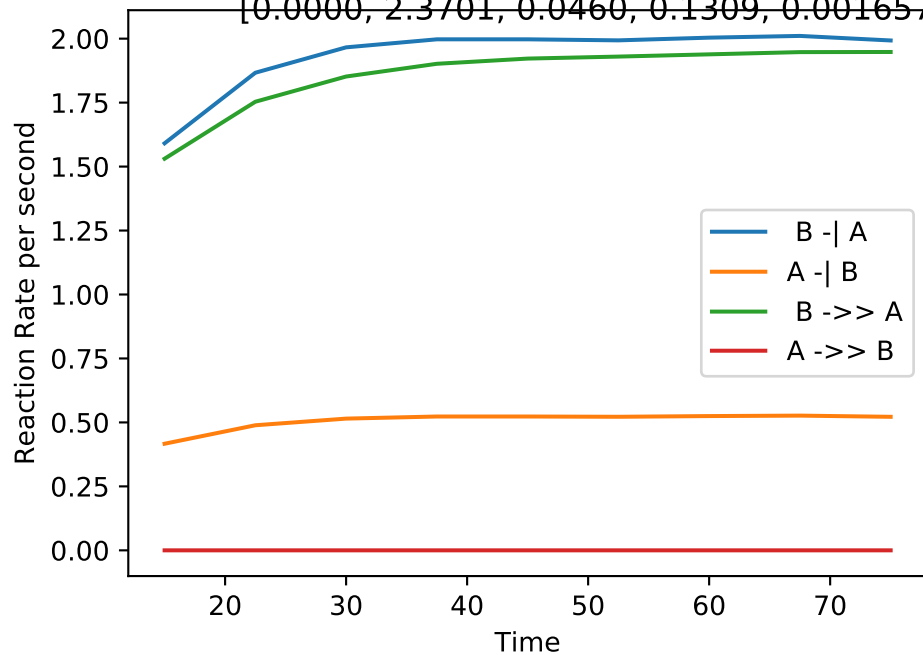
Single_up | MB-LLS Single_up(#108):

[0.0260, 2.5123, 0.0000, 0.0695, 0.001273, 0.001044, 0.0365, 0.0051, 0.0385, 0.0000]



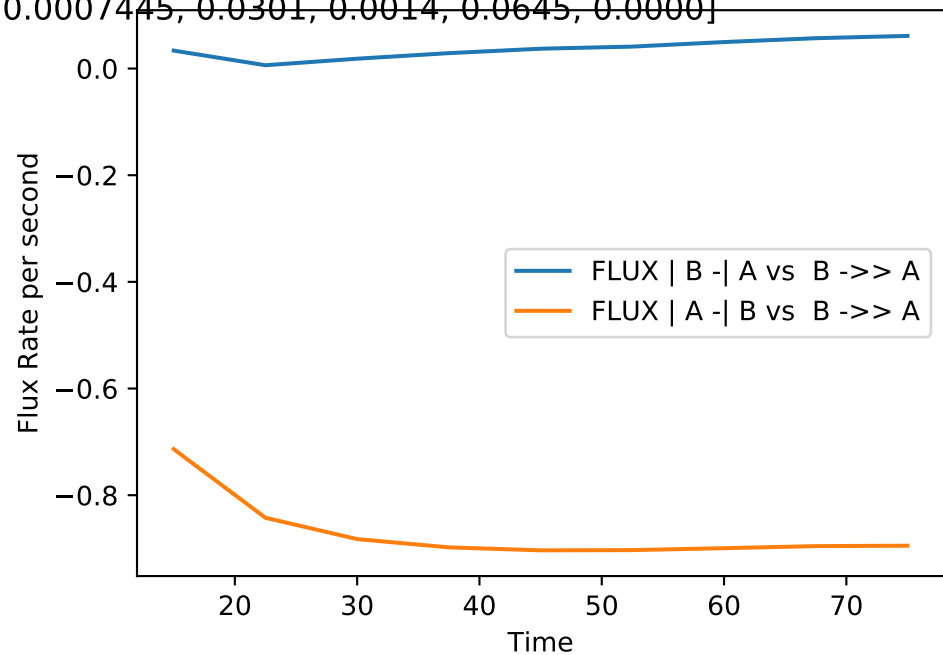
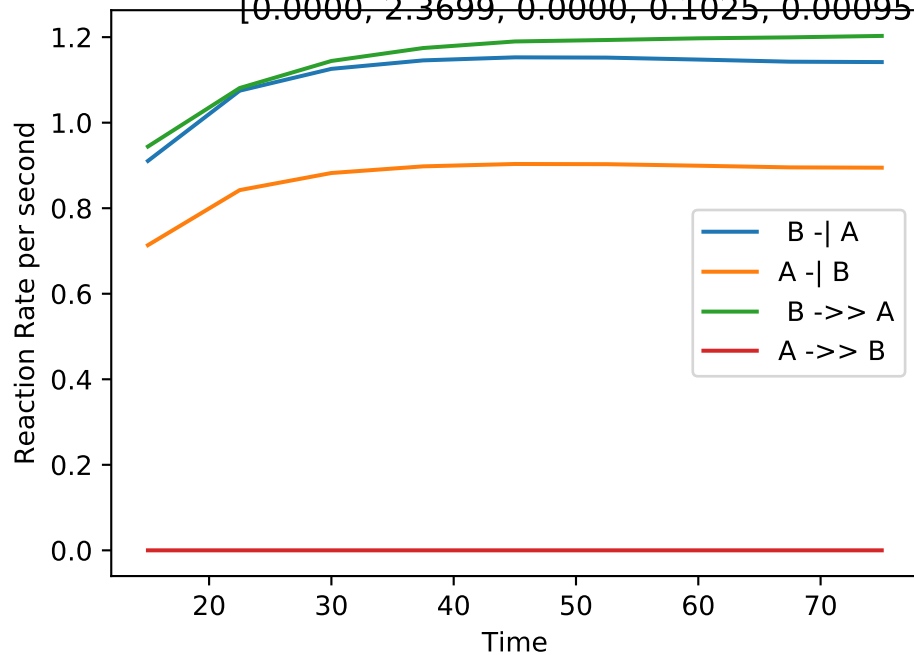
Single_up | MB-LLS Single_up(#109):

[0.0000, 2.3701, 0.0460, 0.1309, 0.001657, 0.000434, 0.0486, 0.0504, 0.0825, 0.0000]



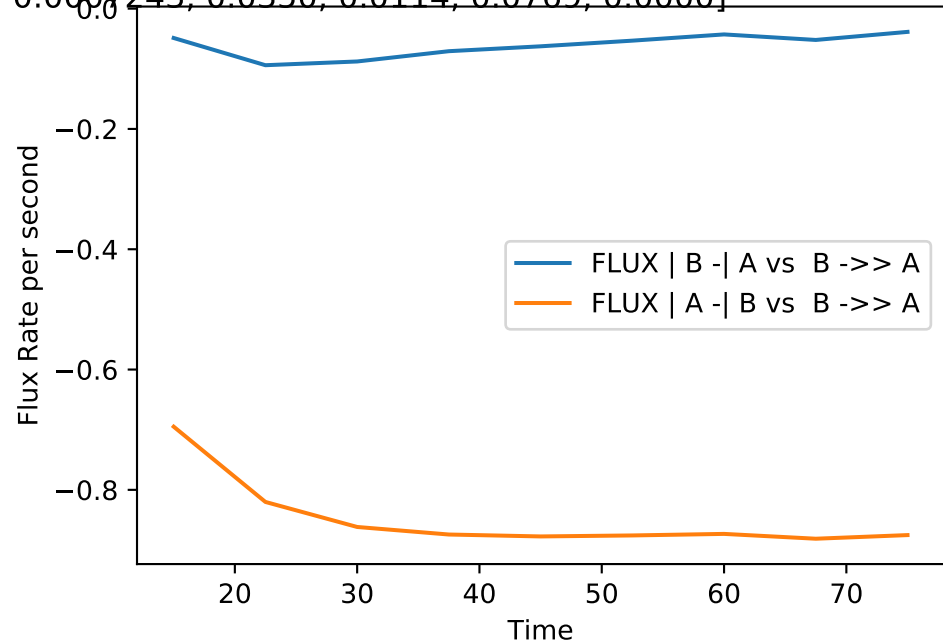
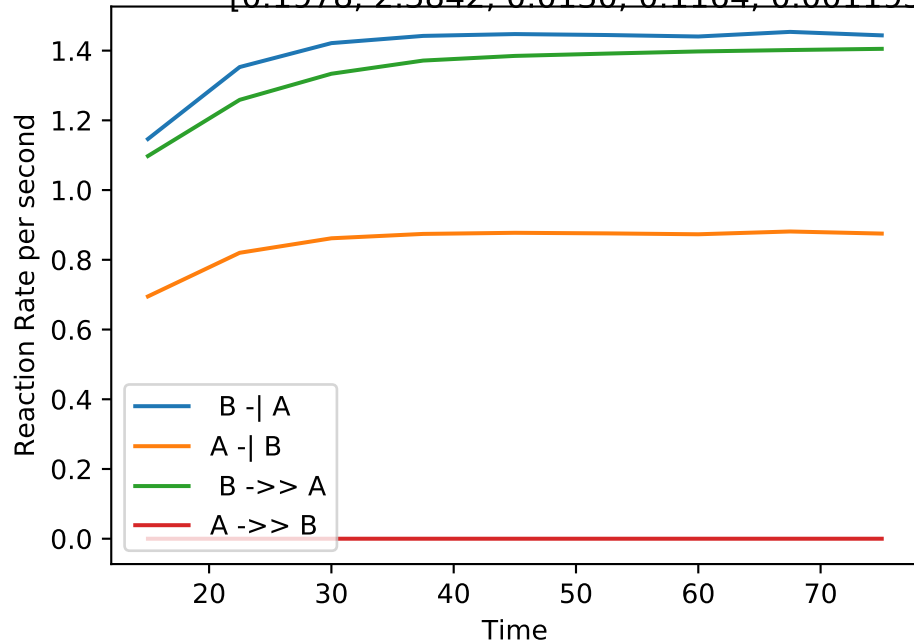
Single_up | MB-LLS Single_up(#110):

[0.0000, 2.3699, 0.0000, 0.1025, 0.00095, 0.0007445, 0.0301, 0.0014, 0.0645, 0.0000]



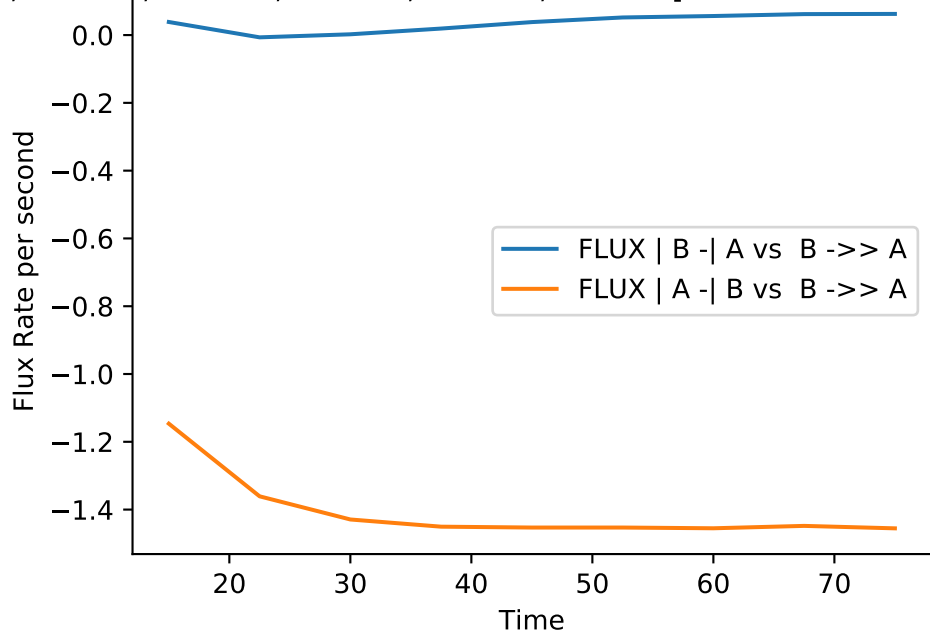
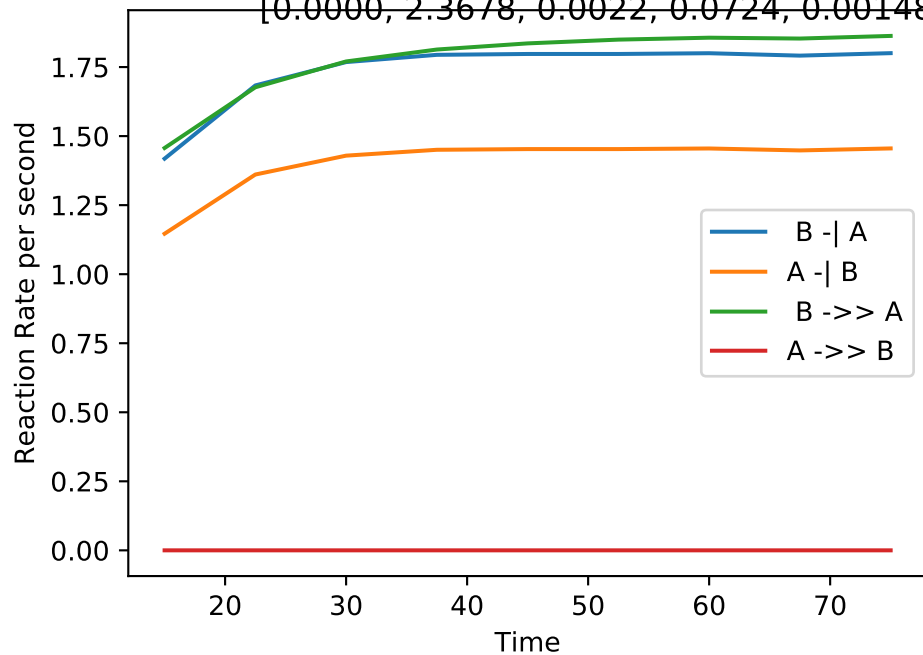
Single_up | MB-LLS Single_up(#111):

[0.1978, 2.3842, 0.0130, 0.1164, 0.001195, 0.0007243, 0.0350, 0.0114, 0.0769, 0.0000]



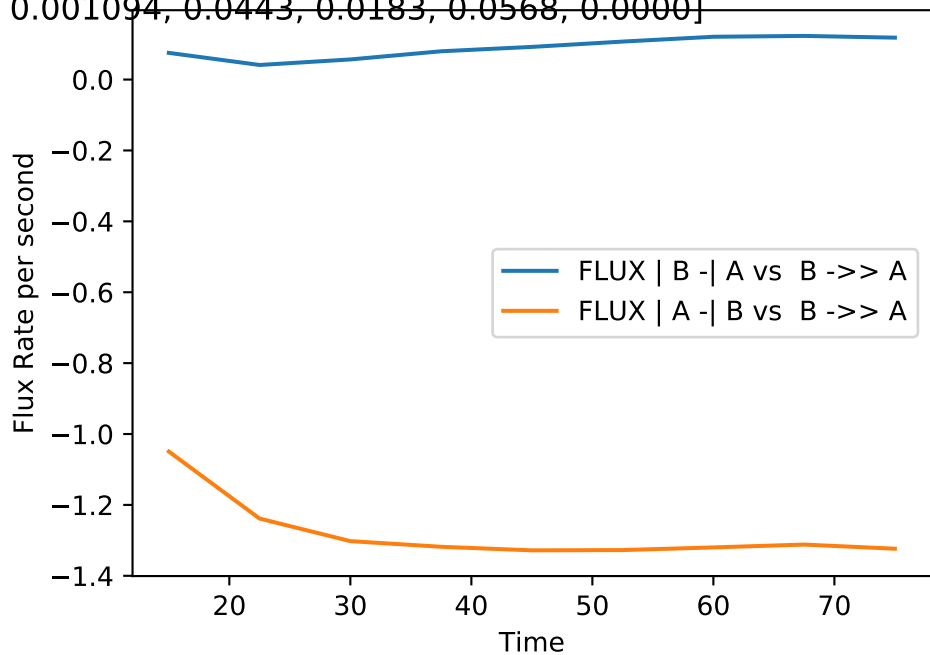
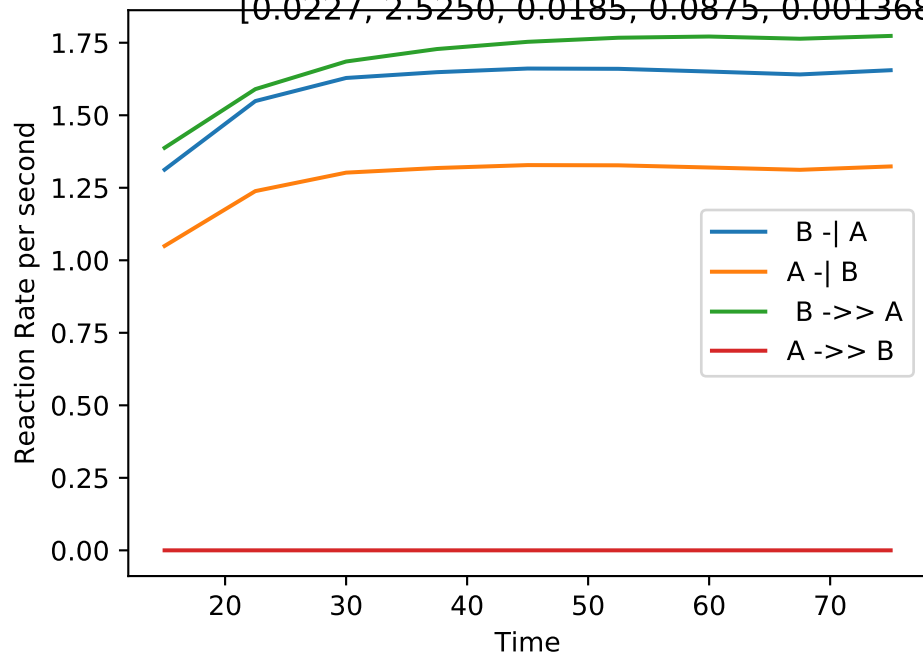
Single_up | MB-LLS Single_up(#112):

[0.0000, 2.3678, 0.0022, 0.0724, 0.001484, 0.0012, 0.0464, 0.0055, 0.0492, 0.0000]



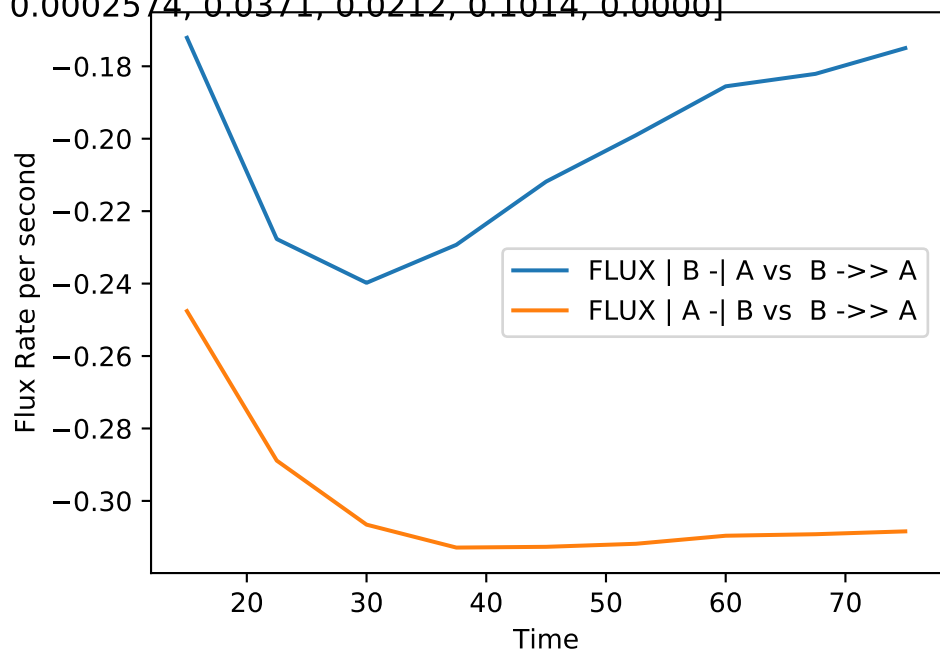
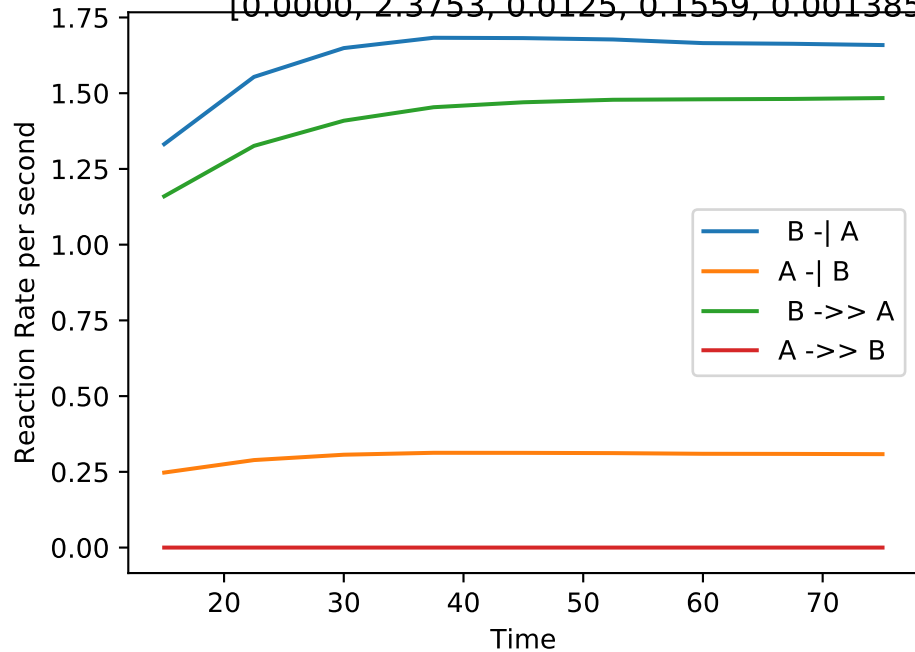
Single_up | MB-LLS Single_up(#113):

[0.0227, 2.5250, 0.0185, 0.0875, 0.001368, 0.001094, 0.0443, 0.0183, 0.0568, 0.0000]



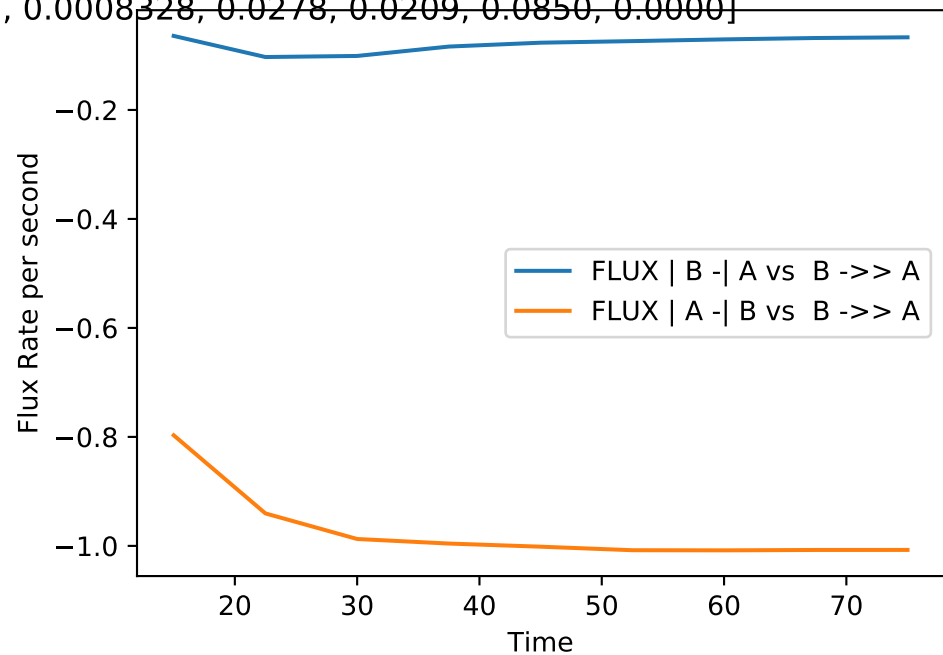
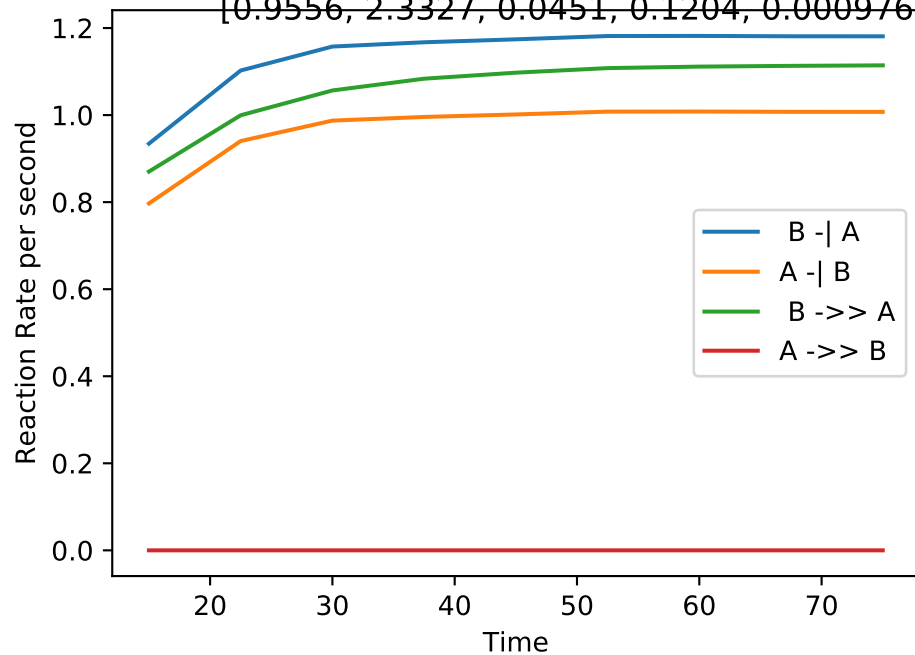
Single_up | MB-LLS Single_up(#114):

[0.0000, 2.3753, 0.0125, 0.1559, 0.001385, 0.0002574, 0.0371, 0.0212, 0.1014, 0.0000]



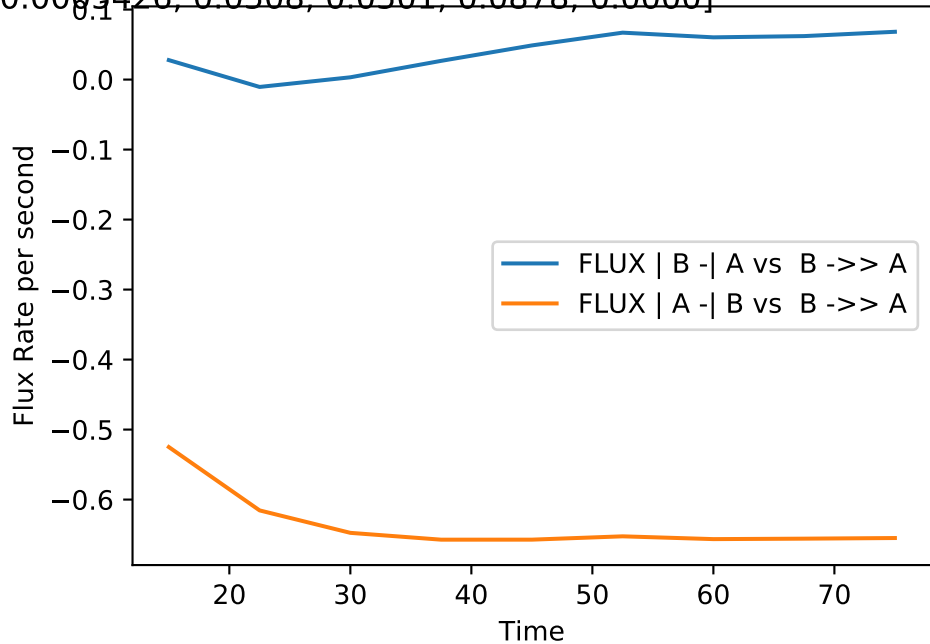
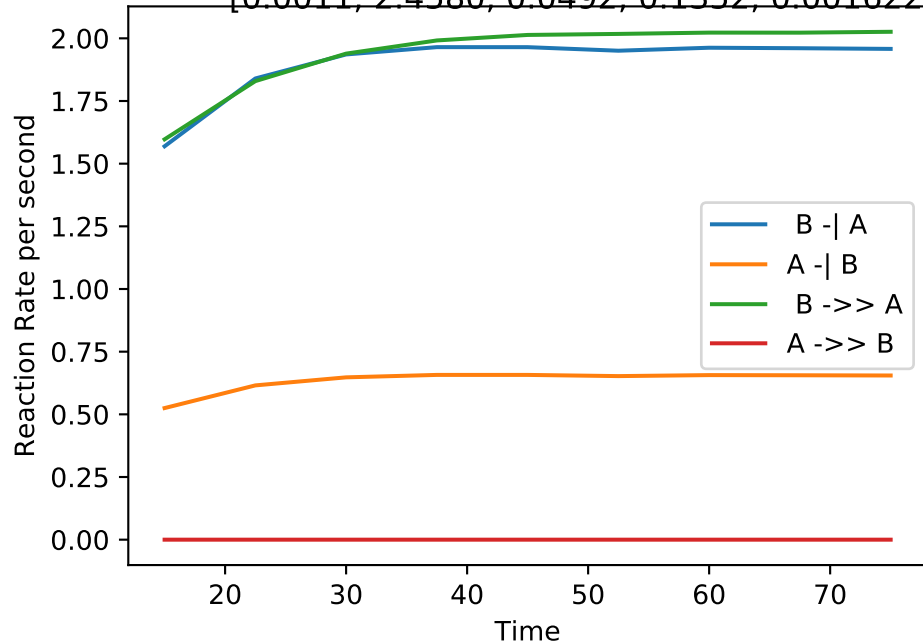
Single_up | MB-LLS Single_up(#115):

[0.9556, 2.3327, 0.0451, 0.1204, 0.0009763, 0.0008328, 0.0278, 0.0209, 0.0850, 0.0000]



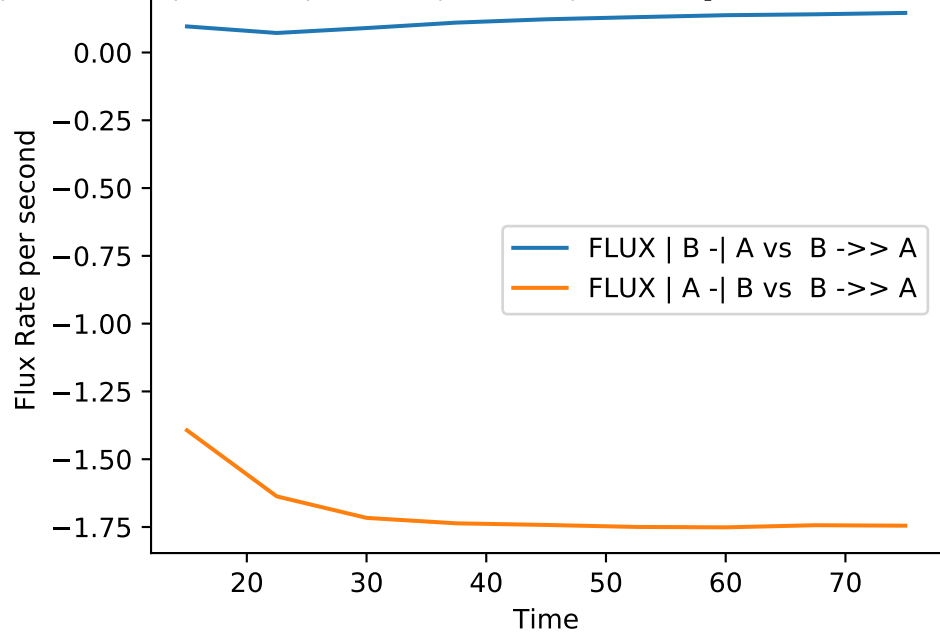
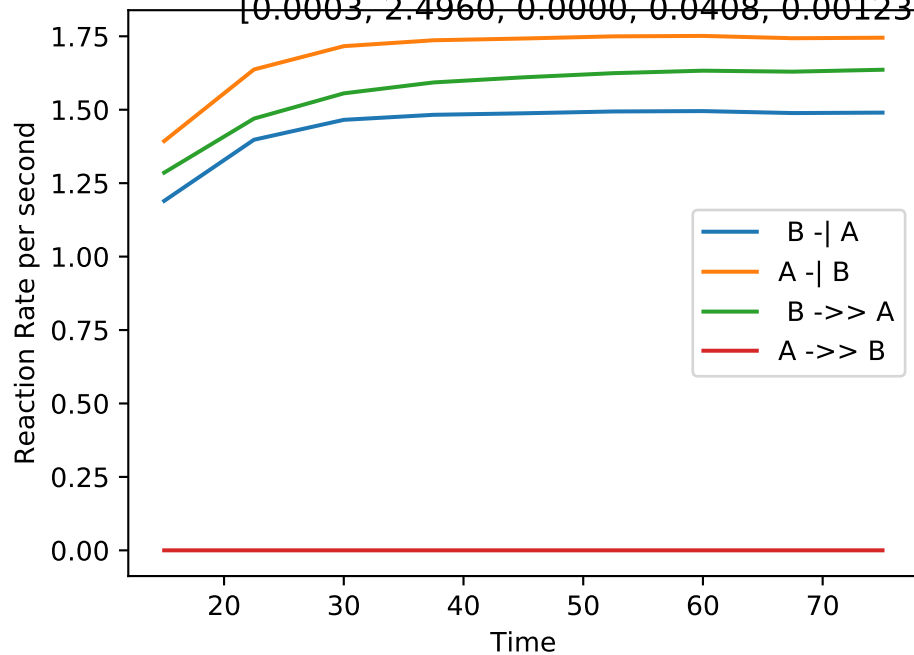
Single_up | MB-LLS Single_up(#116):

[0.0011, 2.4580, 0.0492, 0.1352, 0.001622, 0.0005426, 0.0508, 0.0501, 0.0878, 0.0000]



Single_up | MB-LLS Single_up(#117):

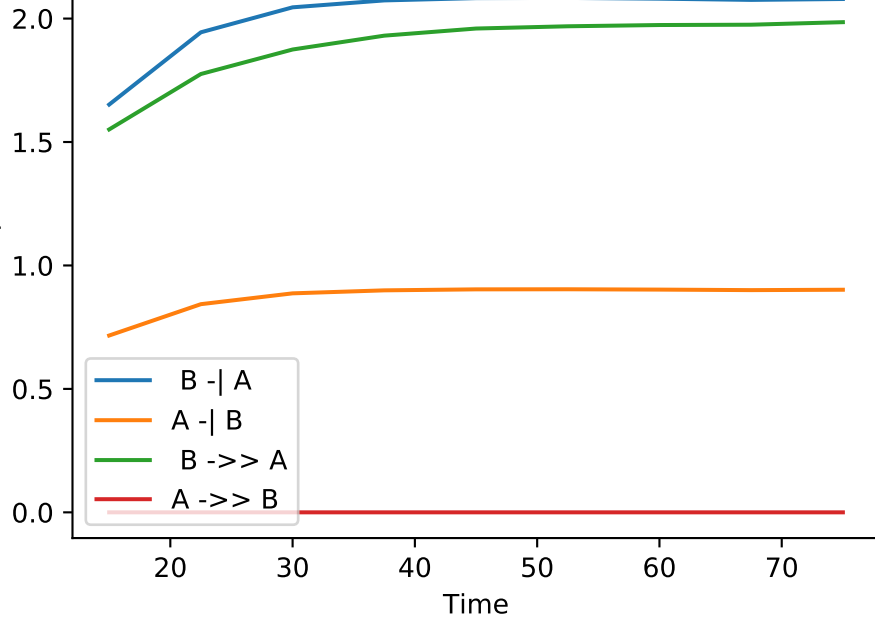
[0.0003, 2.4960, 0.0000, 0.0408, 0.001236, 0.001447, 0.0408, 0.0002, 0.0230, 0.0000]



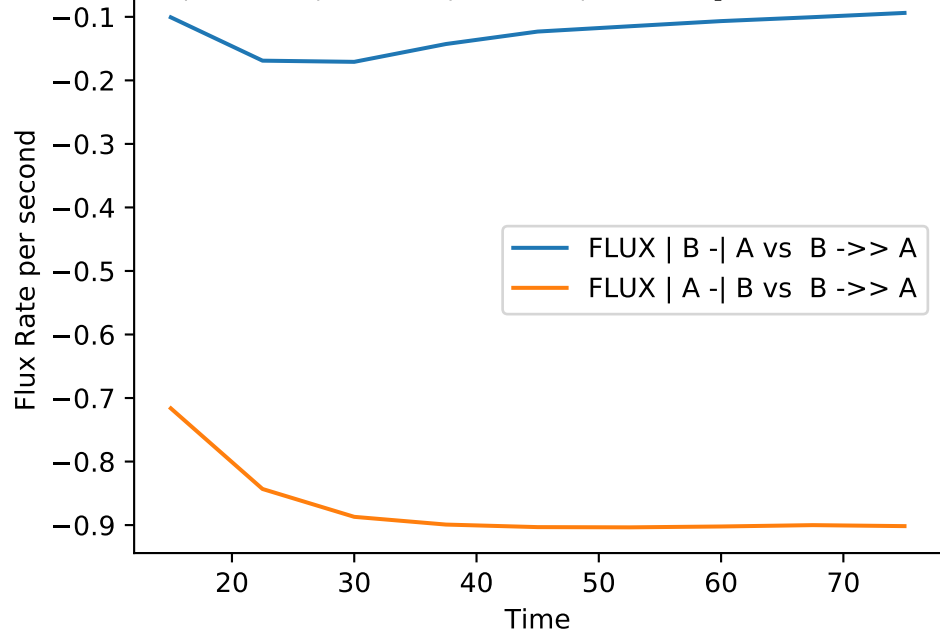
Single_up | MB-LLS Single_up(#118):

[0.0042, 2.3089, 0.0456, 0.0807, 0.001722, 0.0007468, 0.0495, 0.0514, 0.0455, 0.0000]

Reaction Rate per second

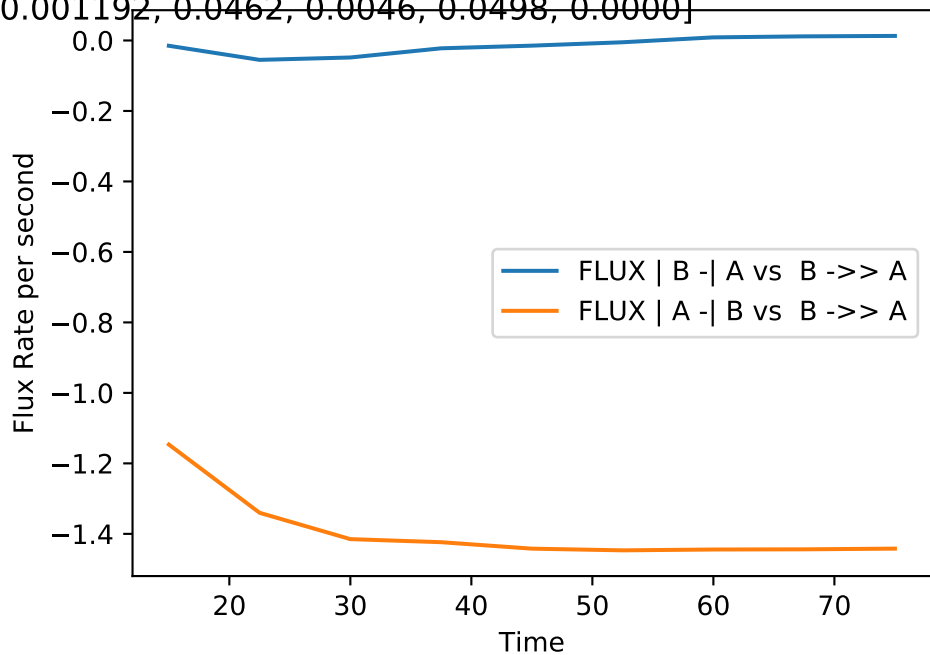
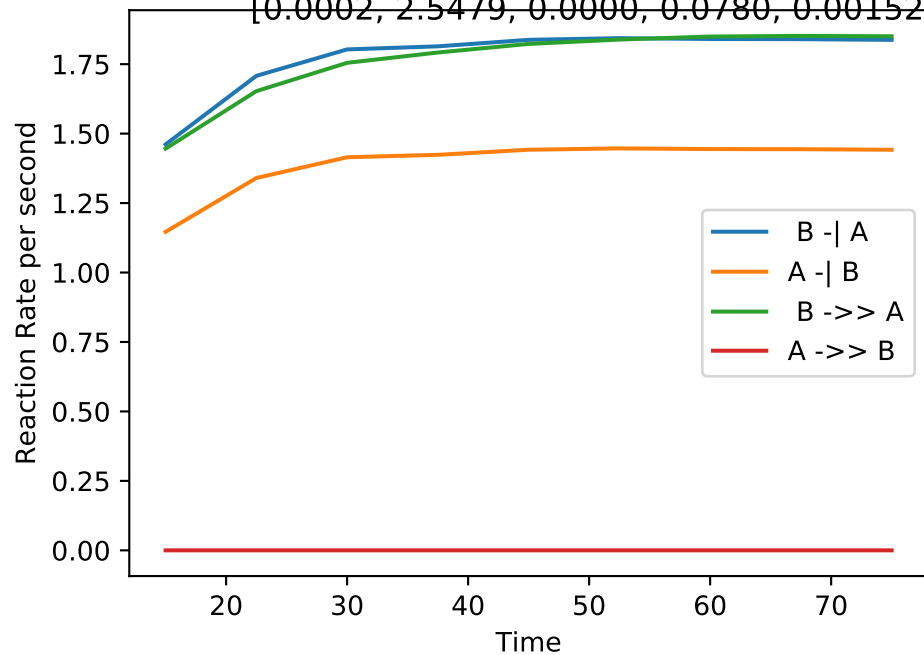


Flux Rate per second



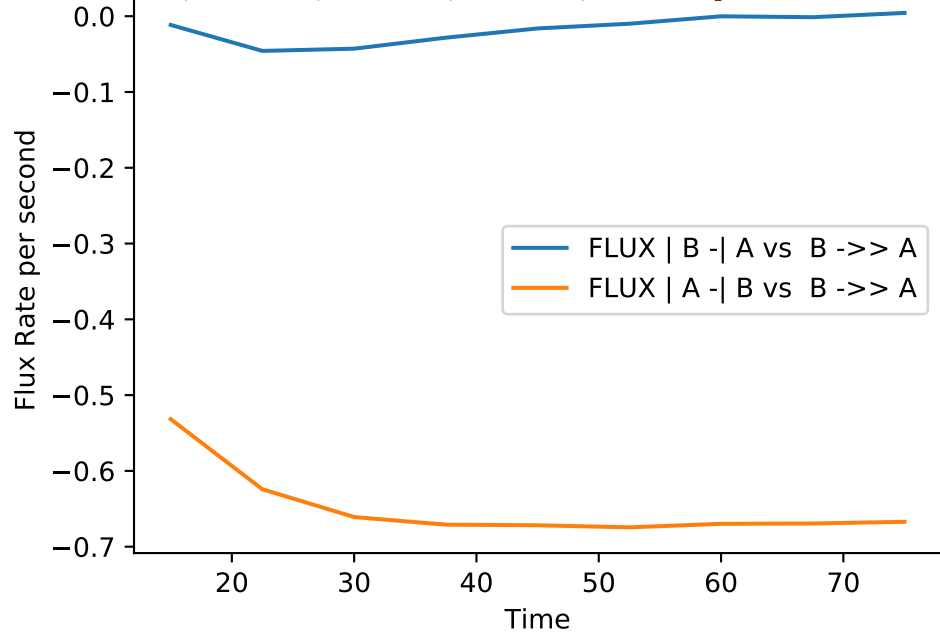
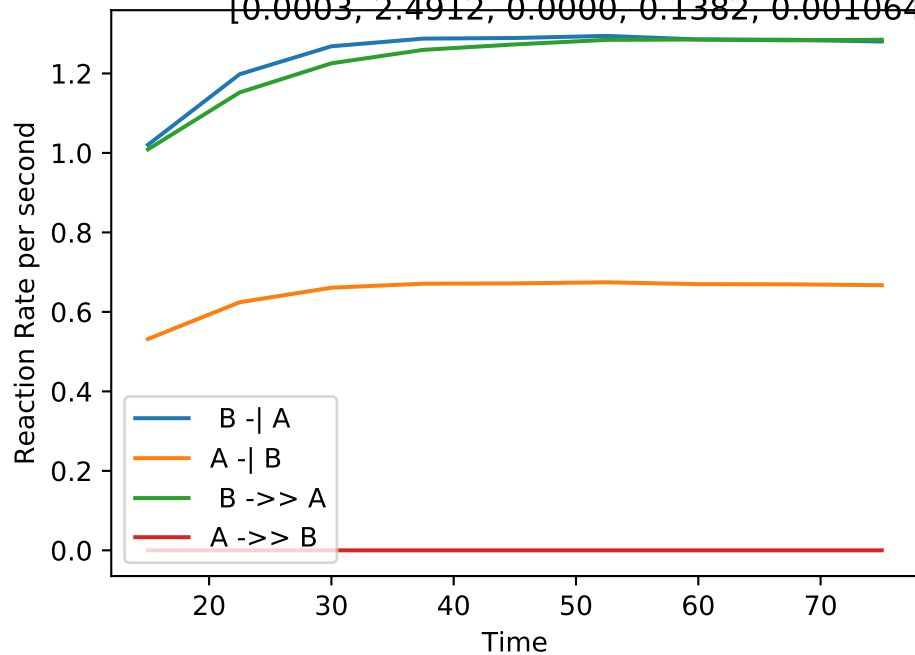
Single_up | MB-LLS Single_up(#119):

[0.0002, 2.5479, 0.0000, 0.0780, 0.00152, 0.001192, 0.0462, 0.0046, 0.0498, 0.0000]



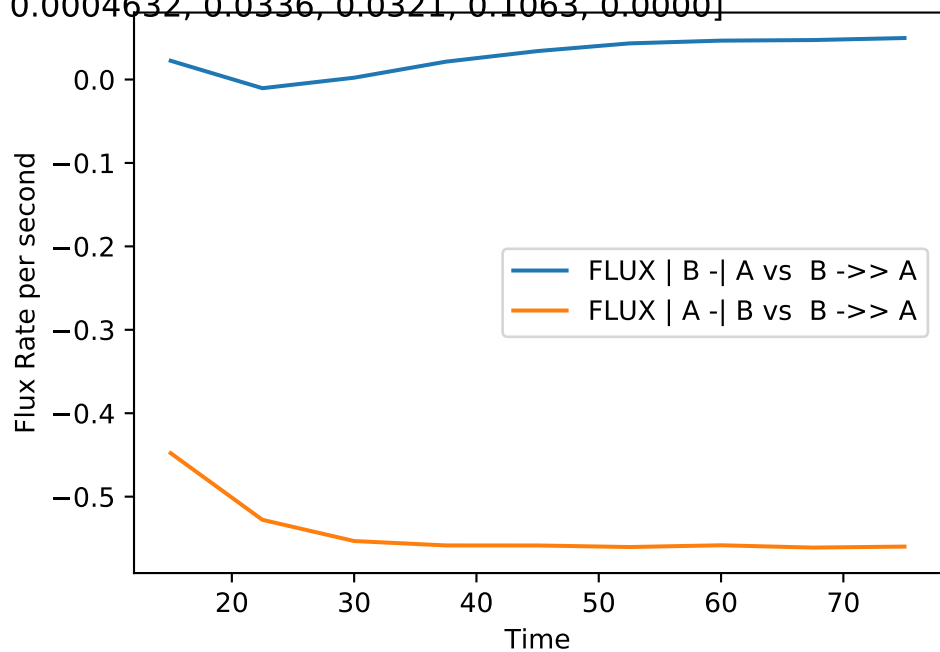
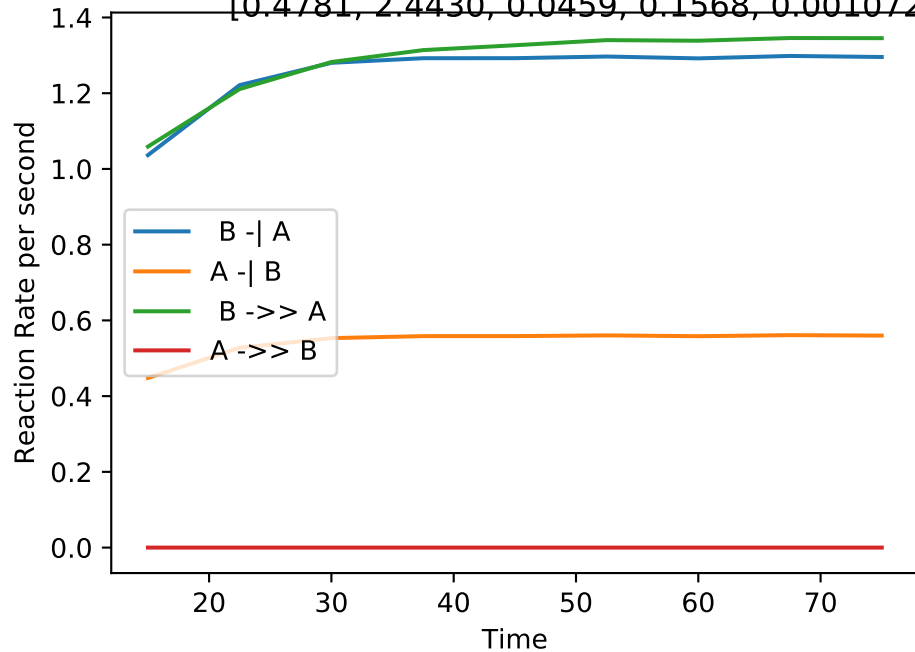
Single_up | MB-LLS Single_up(#120):

[0.0003, 2.4912, 0.0000, 0.1382, 0.001064, 0.0005543, 0.0321, 0.0032, 0.0903, 0.0000]



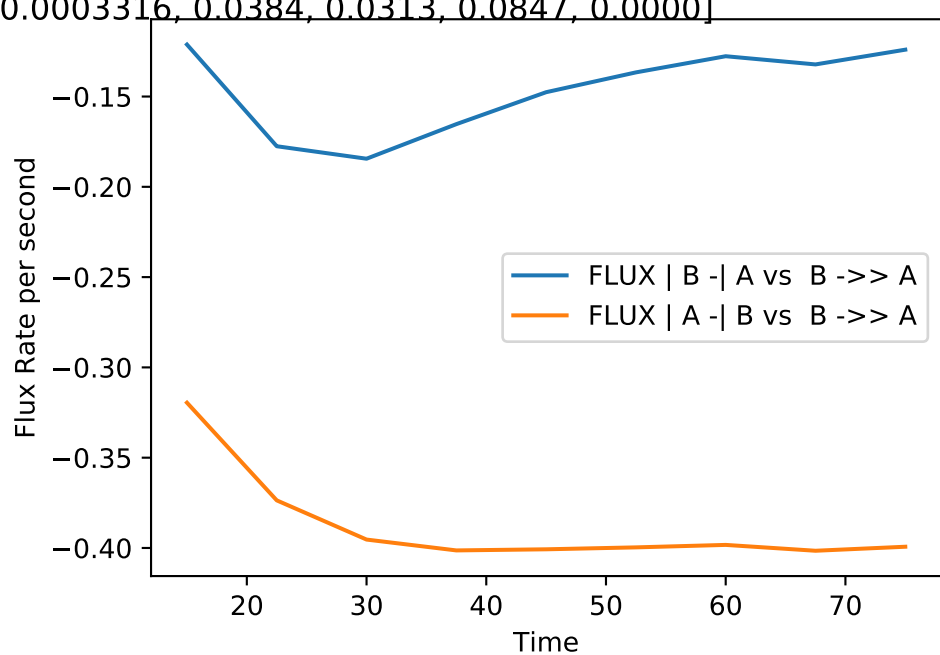
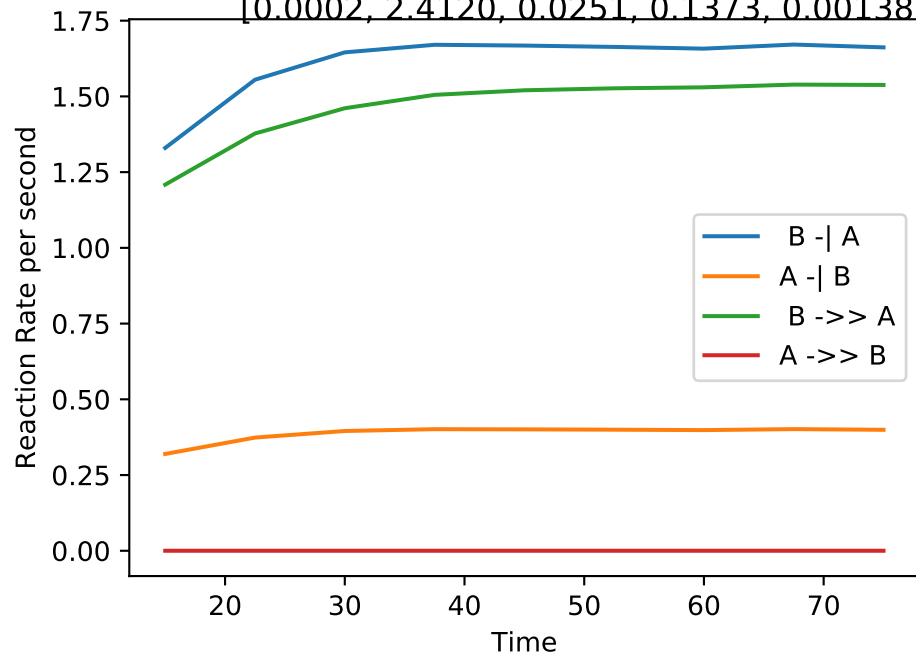
Single_up | MB-LLS Single_up(#121):

[0.4781, 2.4430, 0.0459, 0.1568, 0.001072, 0.0004632, 0.0336, 0.0321, 0.1063, 0.0000]



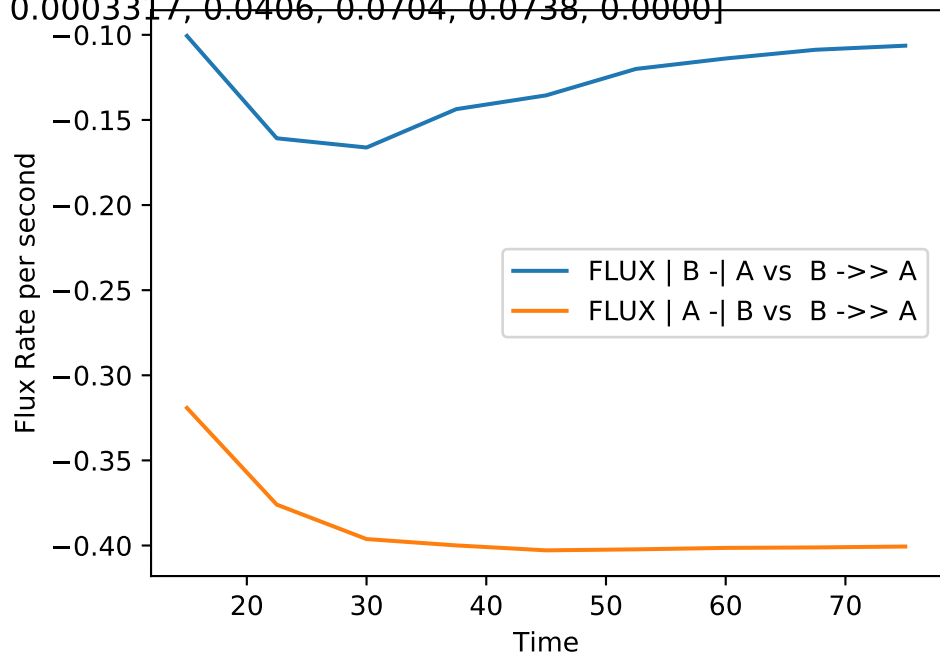
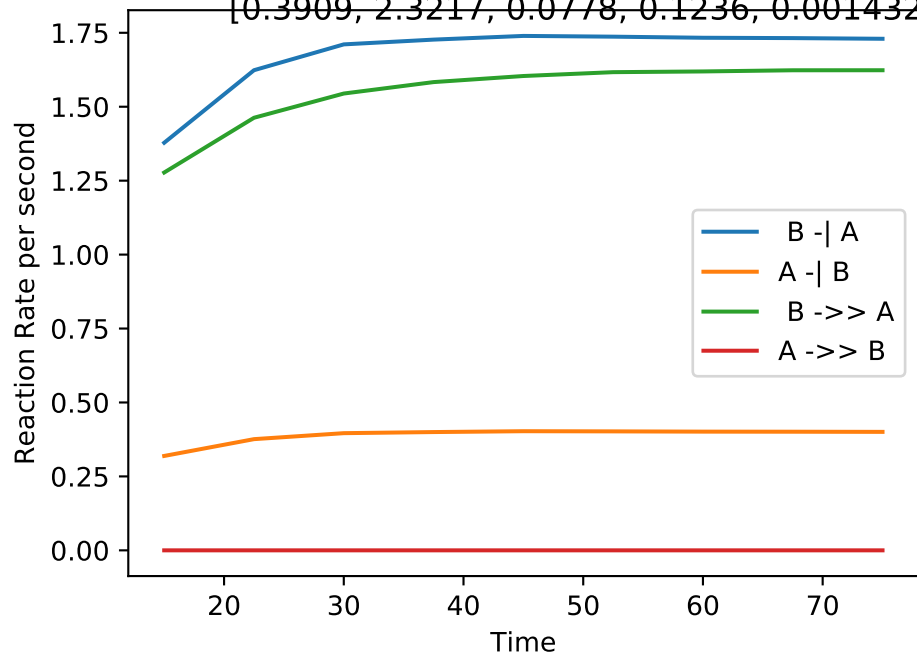
Single_up | MB-LLS Single_up(#122):

[0.0002, 2.4120, 0.0251, 0.1373, 0.00138, 0.0003316, 0.0384, 0.0313, 0.0847, 0.0000]



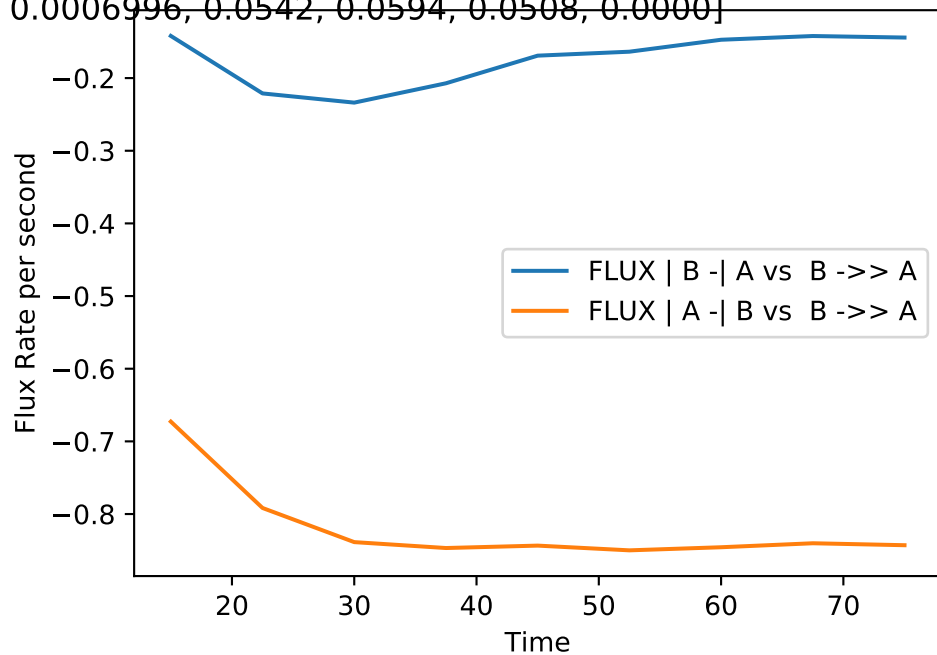
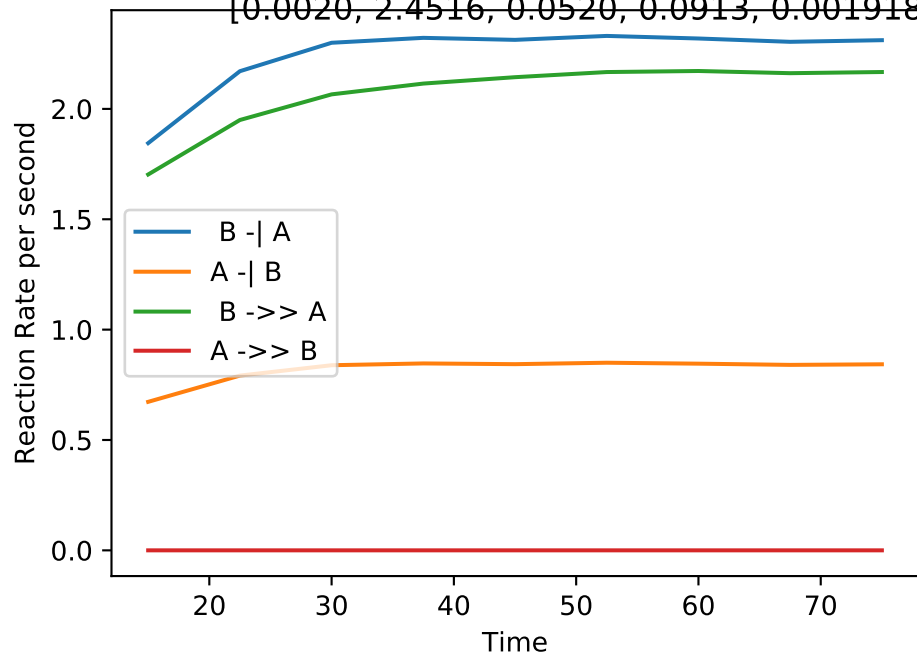
Single_up | MB-LLS Single_up(#123):

[0.3909, 2.3217, 0.0778, 0.1236, 0.001432, 0.0003317, 0.0406, 0.0704, 0.0738, 0.0000]



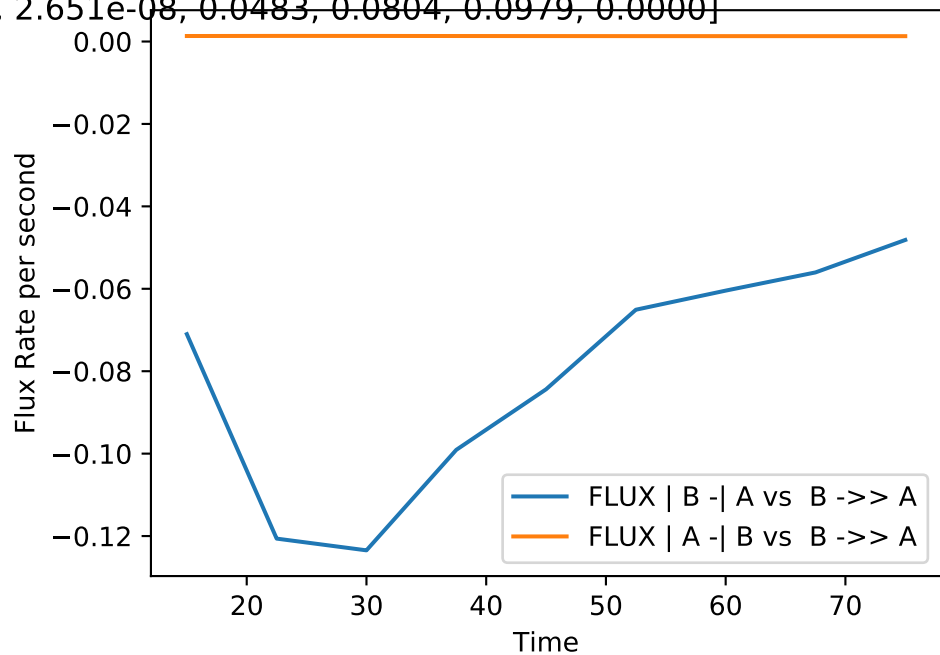
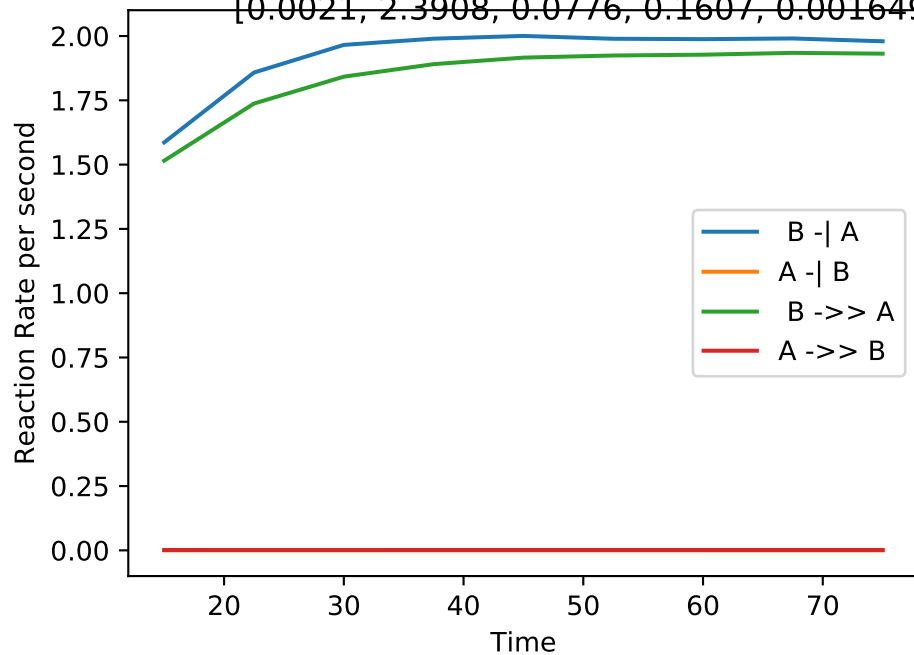
Single_up | MB-LLS Single_up(#124):

[0.0020, 2.4516, 0.0520, 0.0913, 0.001918, 0.0006996, 0.0542, 0.0594, 0.0508, 0.0000]



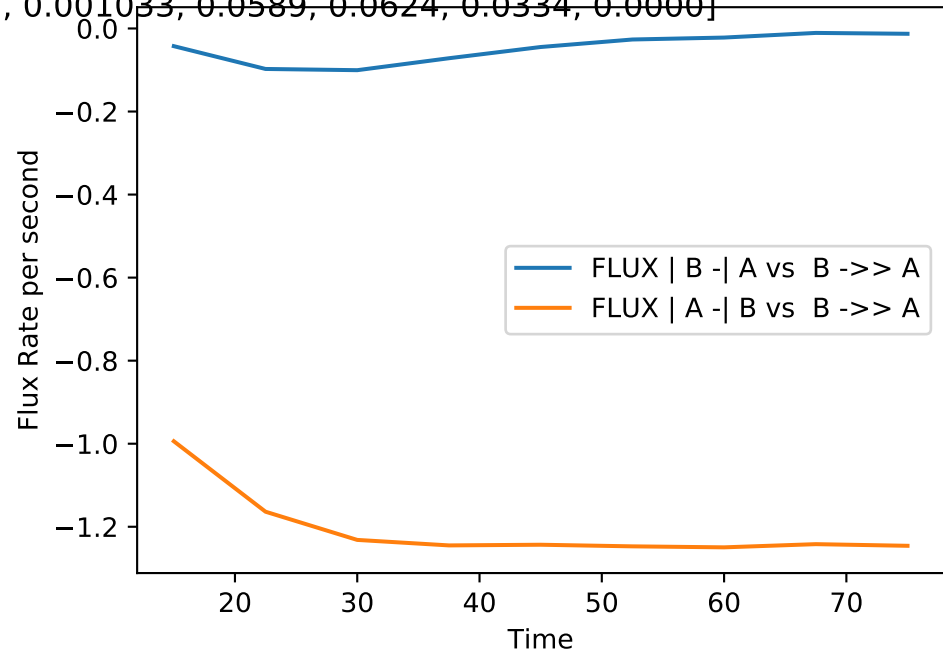
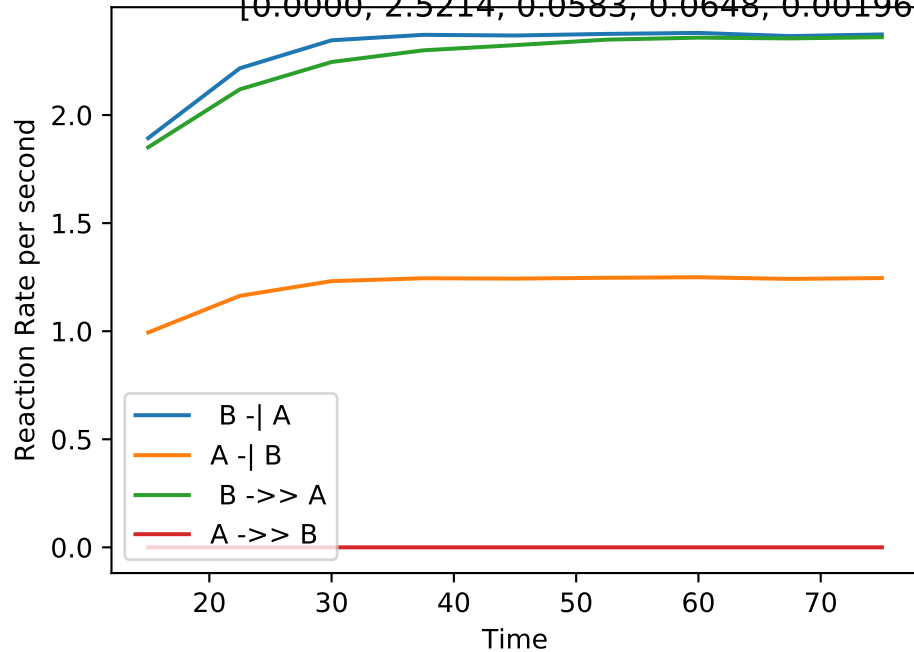
Single_up | MB-LLS Single_up(#125):

[0.0021, 2.3908, 0.0776, 0.1607, 0.001649, 2.651e-08, 0.0483, 0.0804, 0.0979, 0.0000]



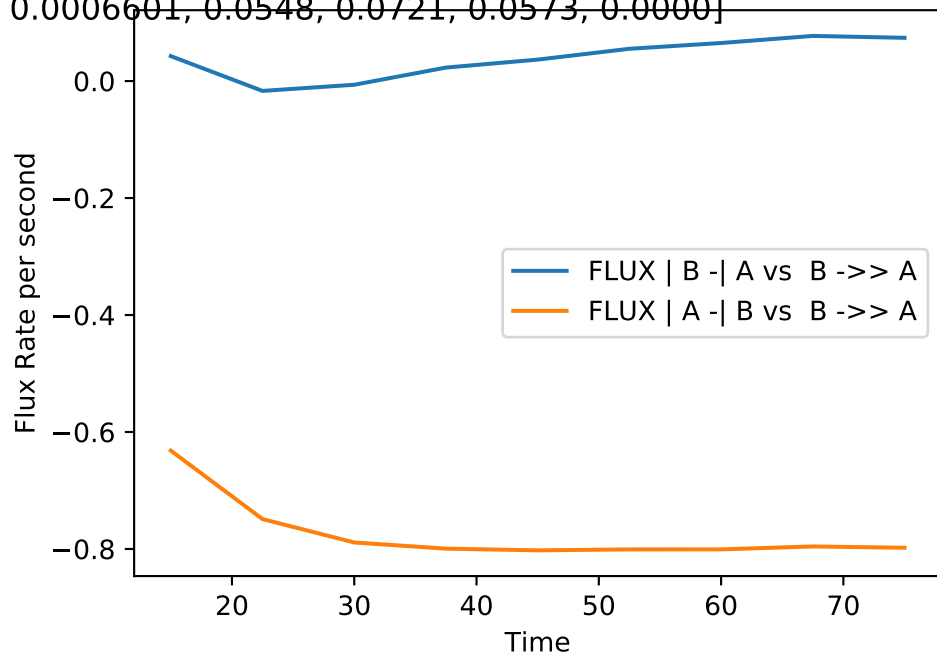
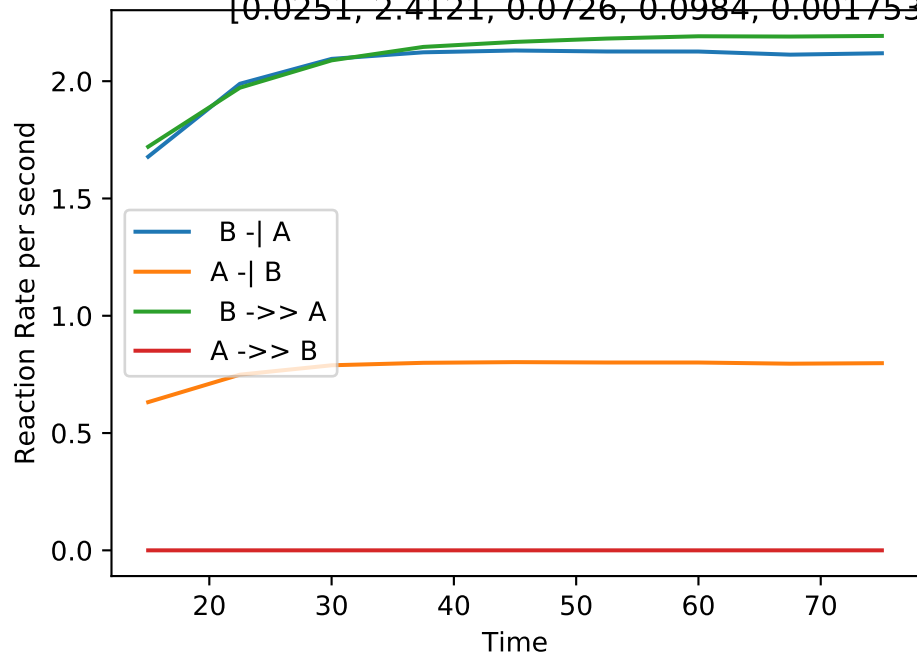
Single_up | MB-LLS Single_up(#126):

[0.0000, 2.5214, 0.0583, 0.0648, 0.001967, 0.001033, 0.0589, 0.0624, 0.0334, 0.0000]



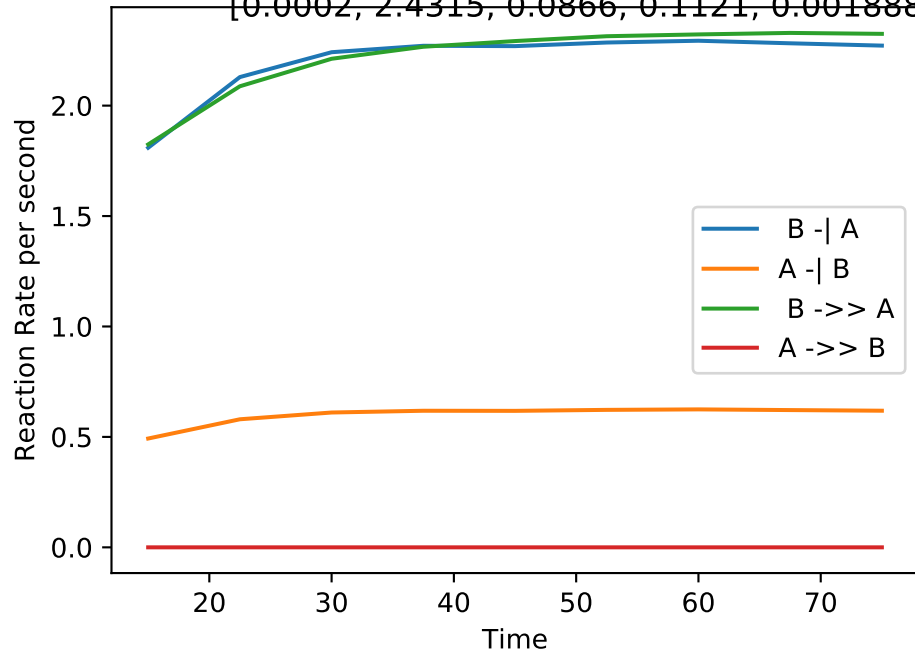
Single_up | MB-LLS Single_up(#127):

[0.0251, 2.4121, 0.0726, 0.0984, 0.001753, 0.0006601, 0.0548, 0.0721, 0.0573, 0.0000]

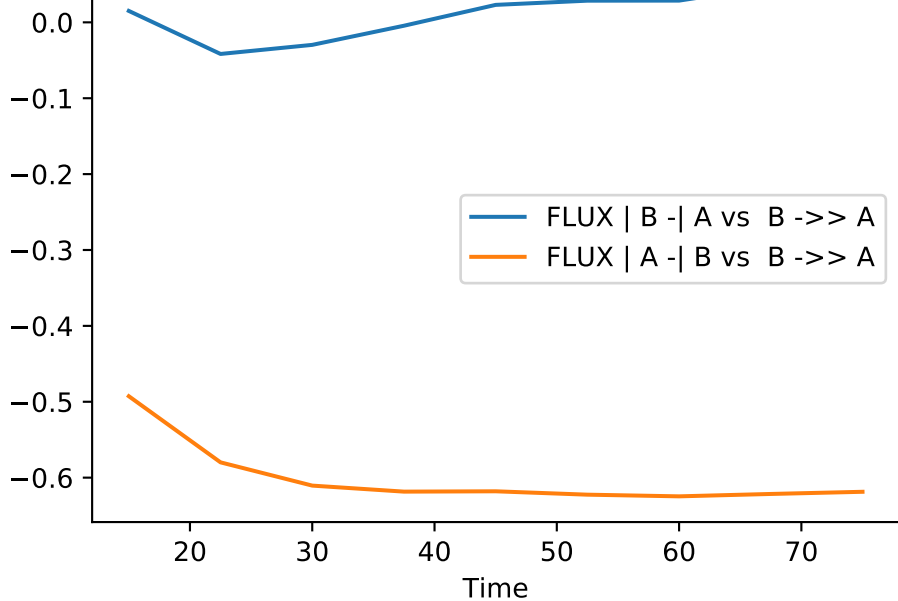


Single_up | MB-LLS Single_up(#128):

[0.0002, 2.4315, 0.0866, 0.1121, 0.001888, 0.0005142, 0.0581, 0.0872, 0.0654, 0.0000]

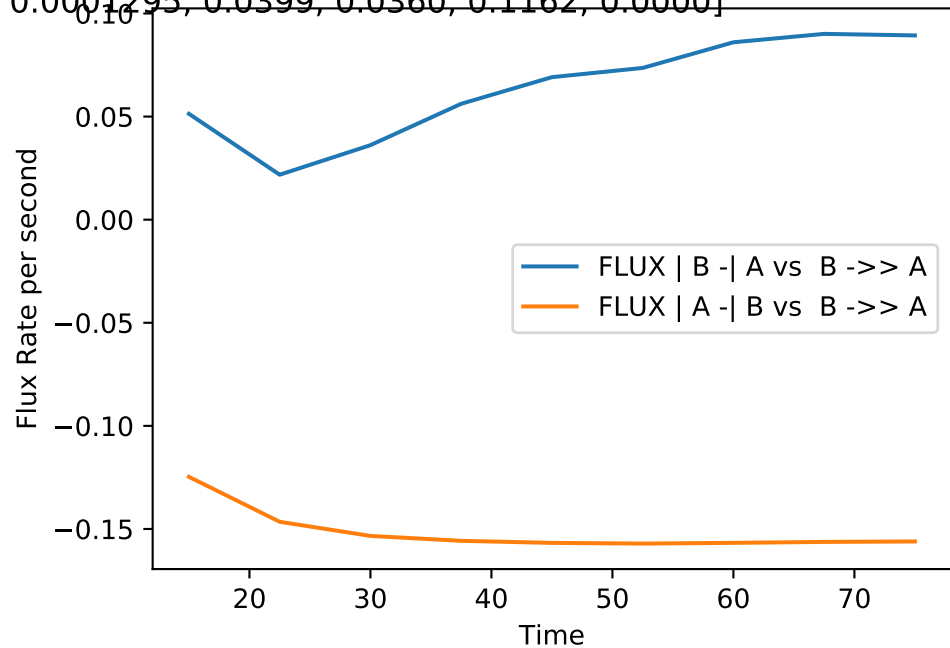
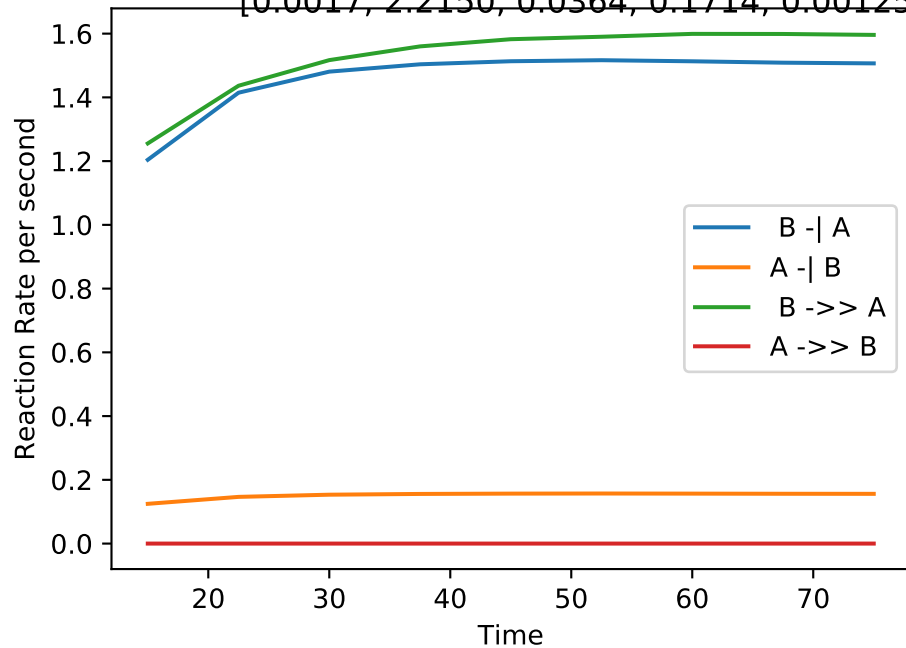


Flux Rate per second



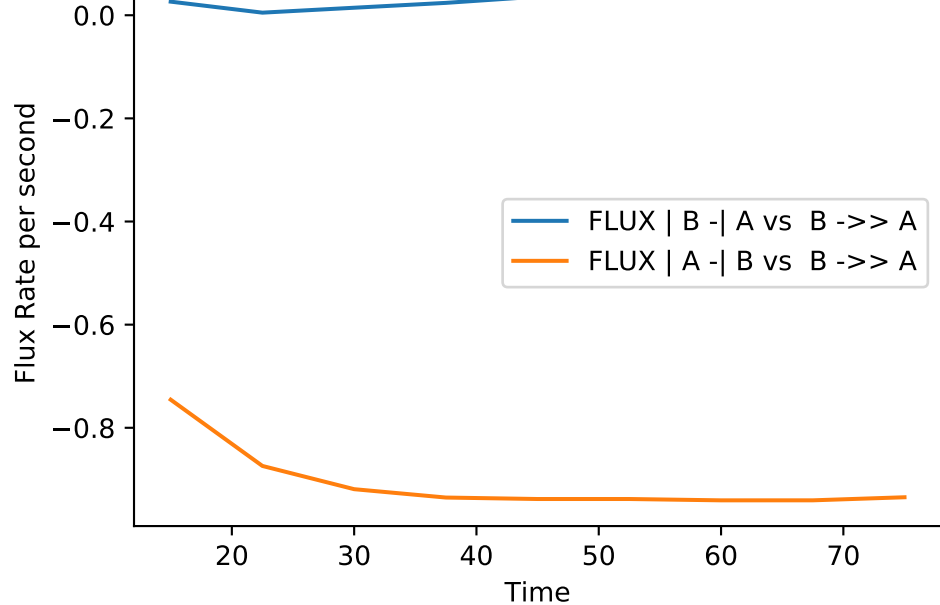
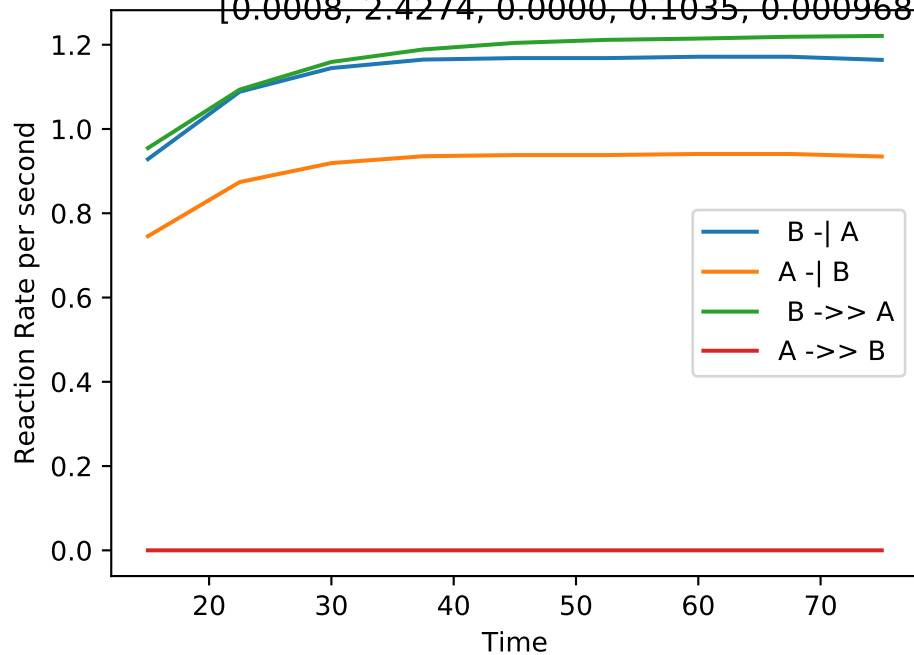
Single_up | MB-LLS Single_up(#129):

[0.0017, 2.2150, 0.0364, 0.1714, 0.00125, 0.0001295, 0.0399, 0.0360, 0.1162, 0.0000]



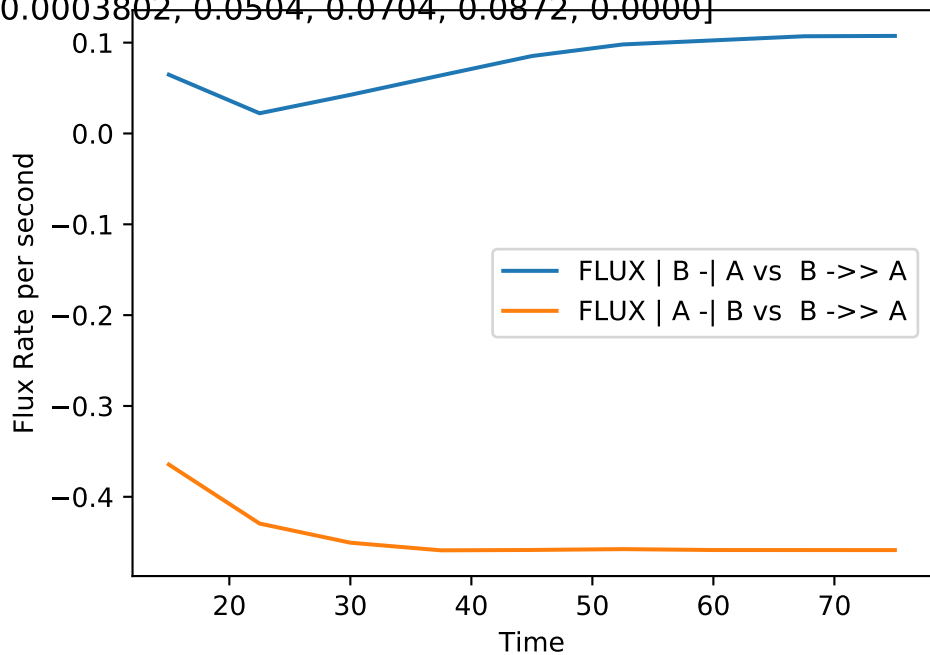
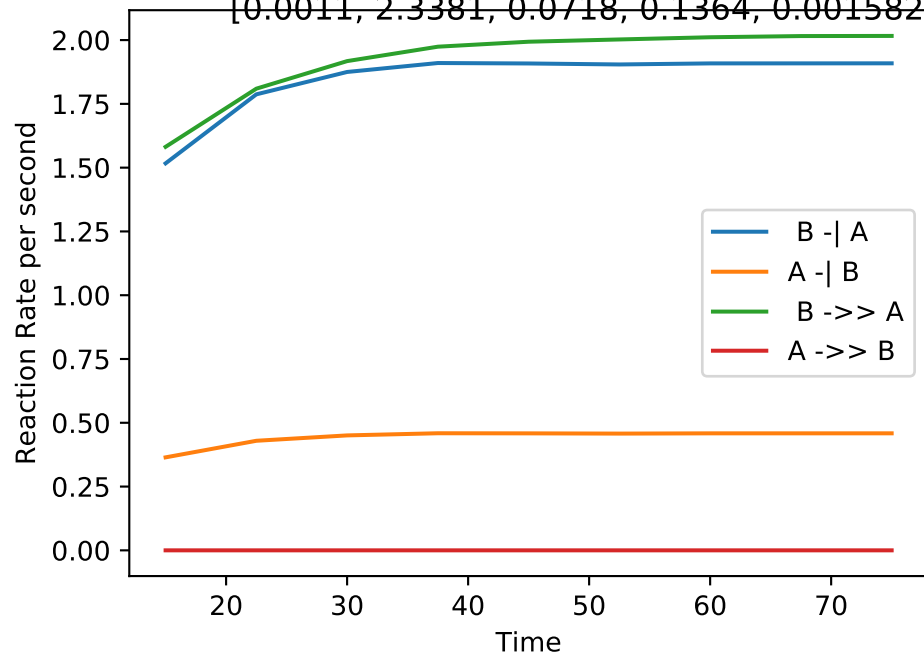
Single_up | MB-LLS Single_up(#130):

[0.0008, 2.4274, 0.0000, 0.1035, 0.0009681, 0.0007774, 0.0305, 0.0015, 0.0650, 0.0000]



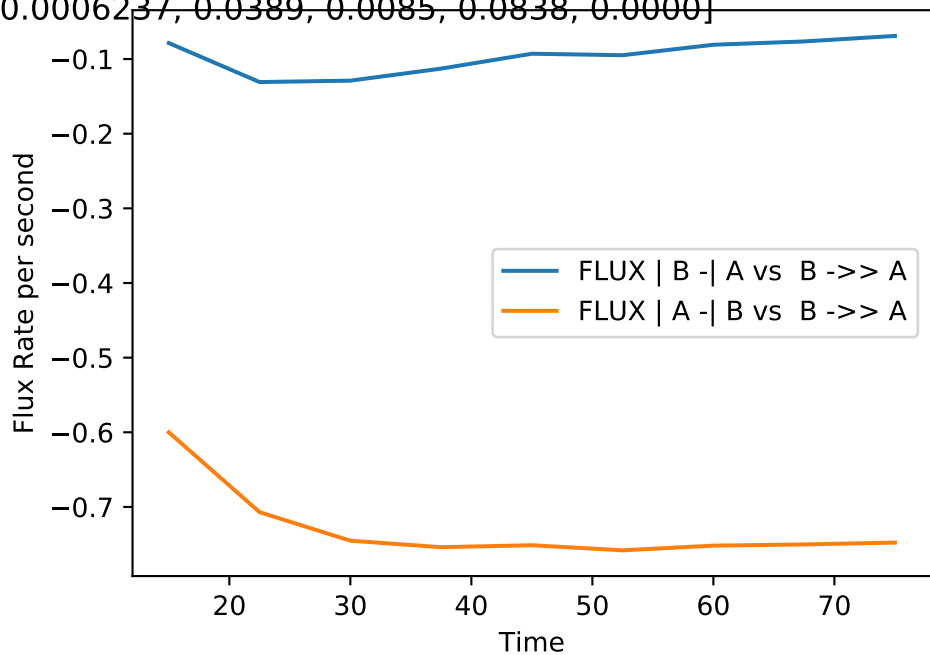
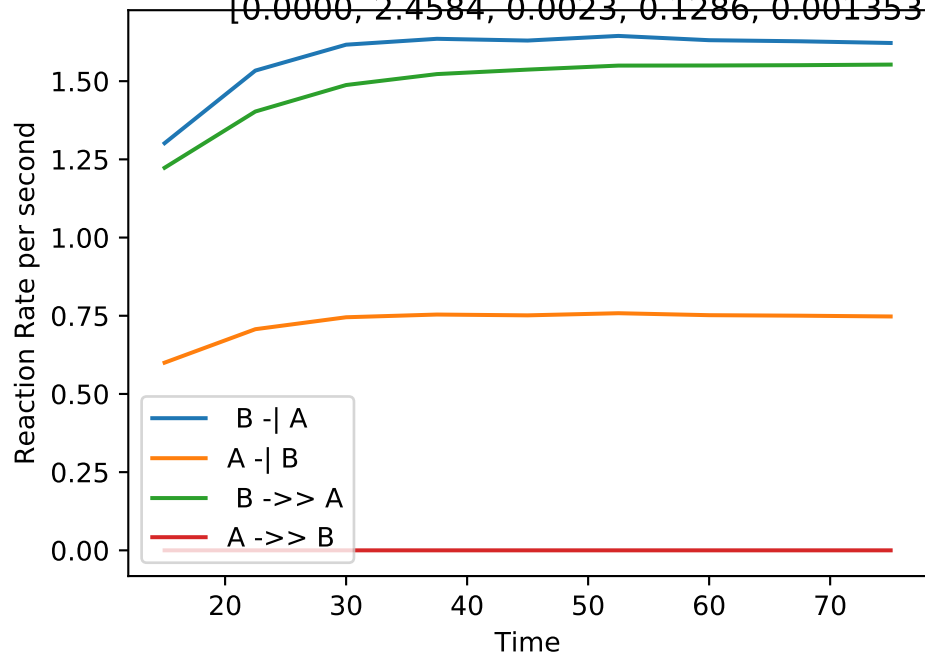
Single_up | MB-LLS Single_up(#131):

[0.0011, 2.3381, 0.0718, 0.1364, 0.001582, 0.0003802, 0.0504, 0.0704, 0.0872, 0.0000]



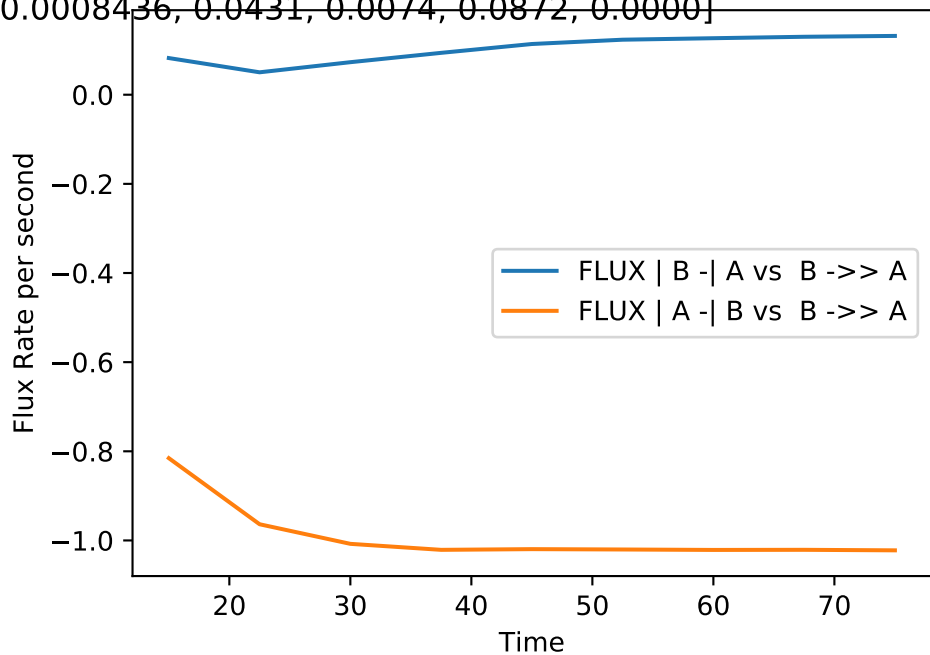
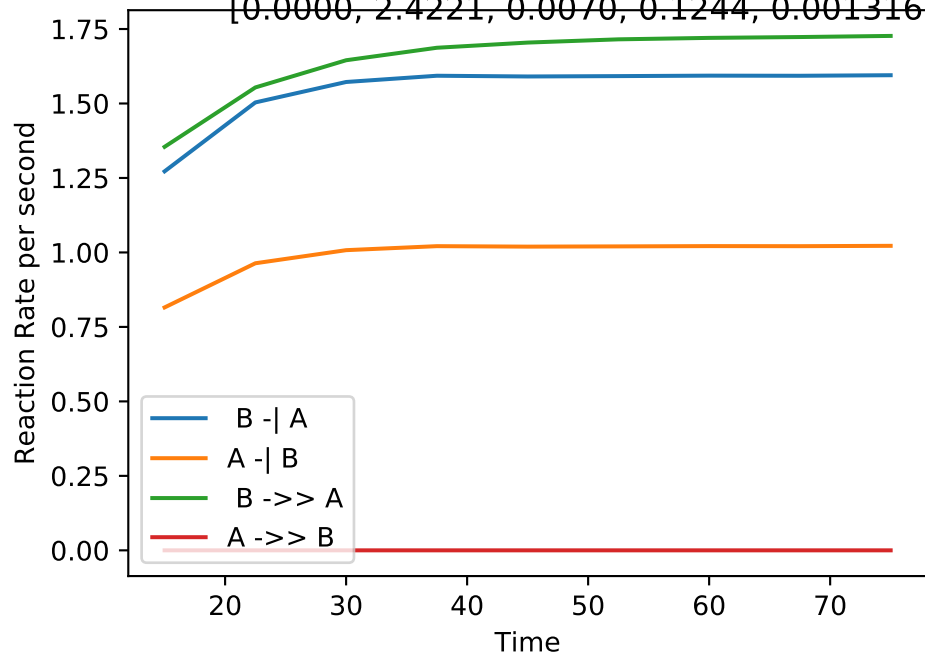
Single_up | MB-LLS Single_up(#132):

[0.0000, 2.4584, 0.0023, 0.1286, 0.001353, 0.0006237, 0.0389, 0.0085, 0.0838, 0.0000]



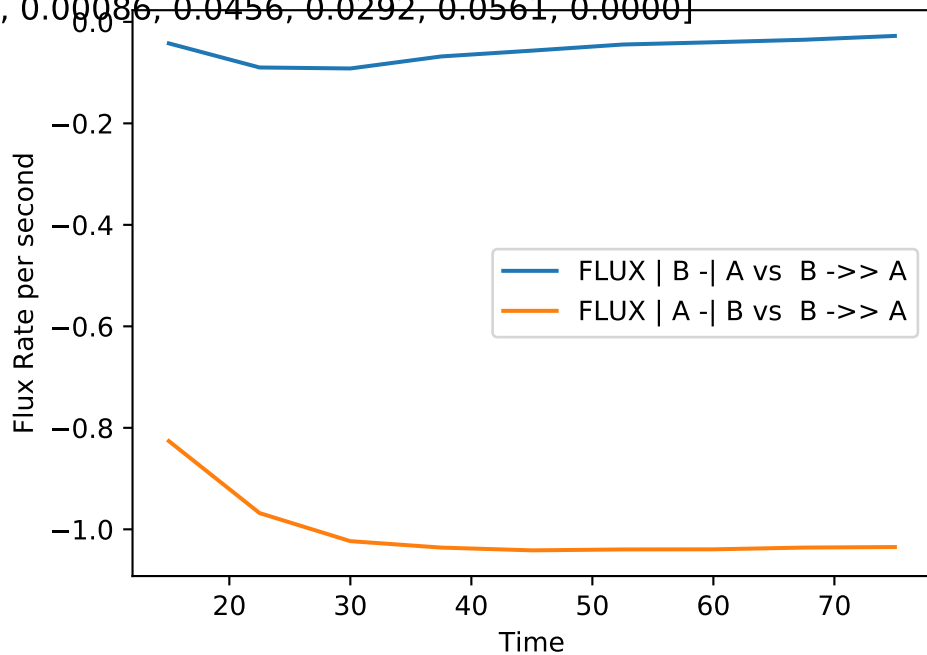
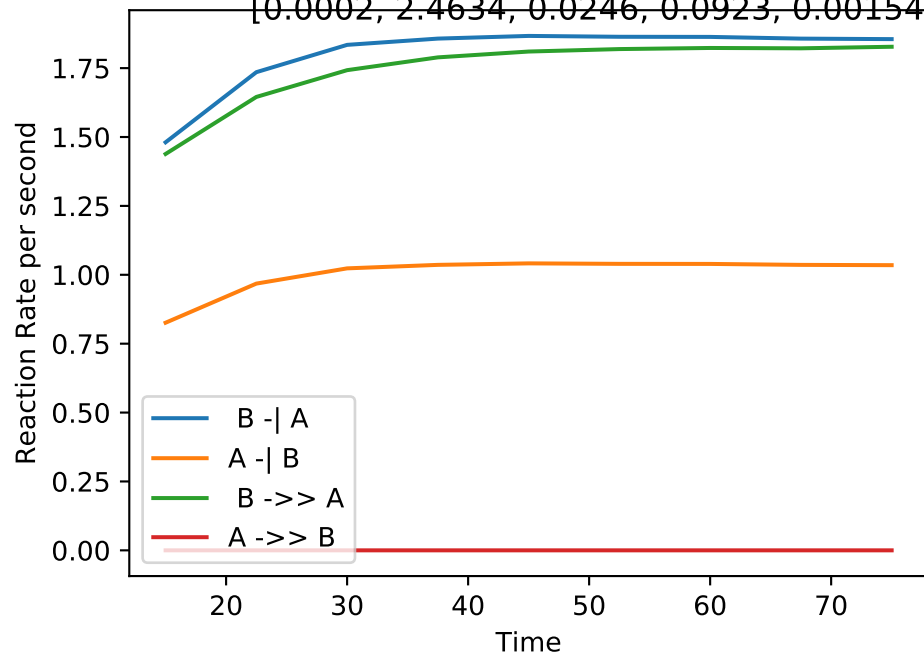
Single_up | MB-LLS Single_up(#133):

[0.0000, 2.4221, 0.0070, 0.1244, 0.001316, 0.0008436, 0.0431, 0.0074, 0.0872, 0.0000]



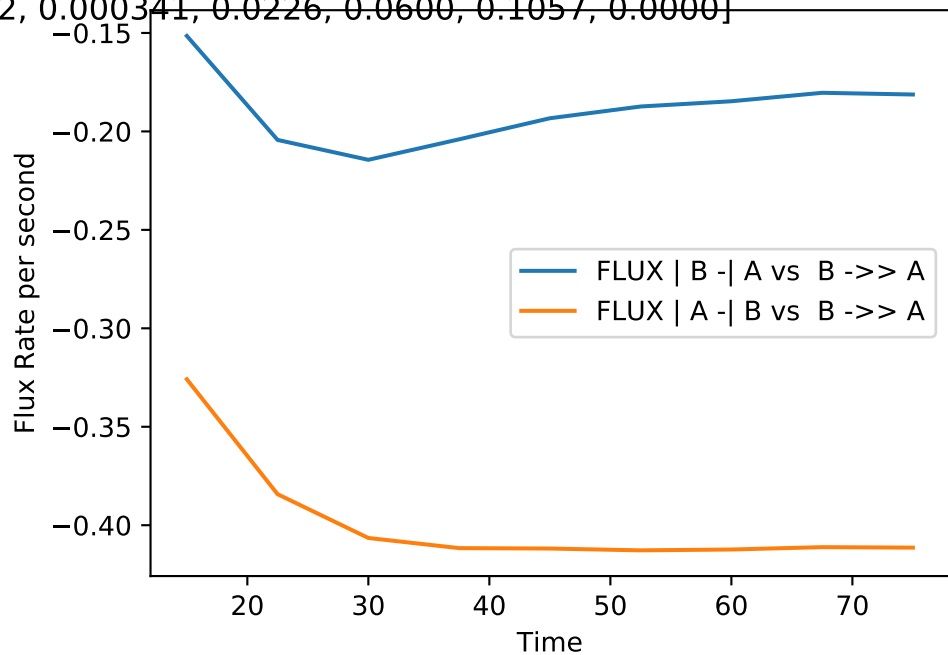
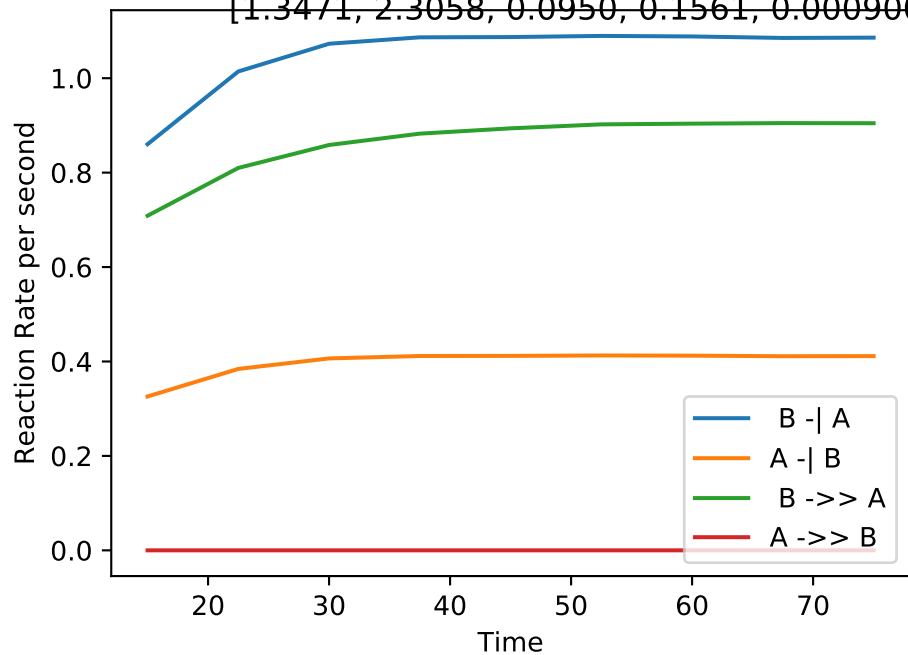
Single_up | MB-LLS Single_up(#134):

[0.0002, 2.4634, 0.0246, 0.0923, 0.001542, 0.00086, 0.0456, 0.0292, 0.0561, 0.0000]



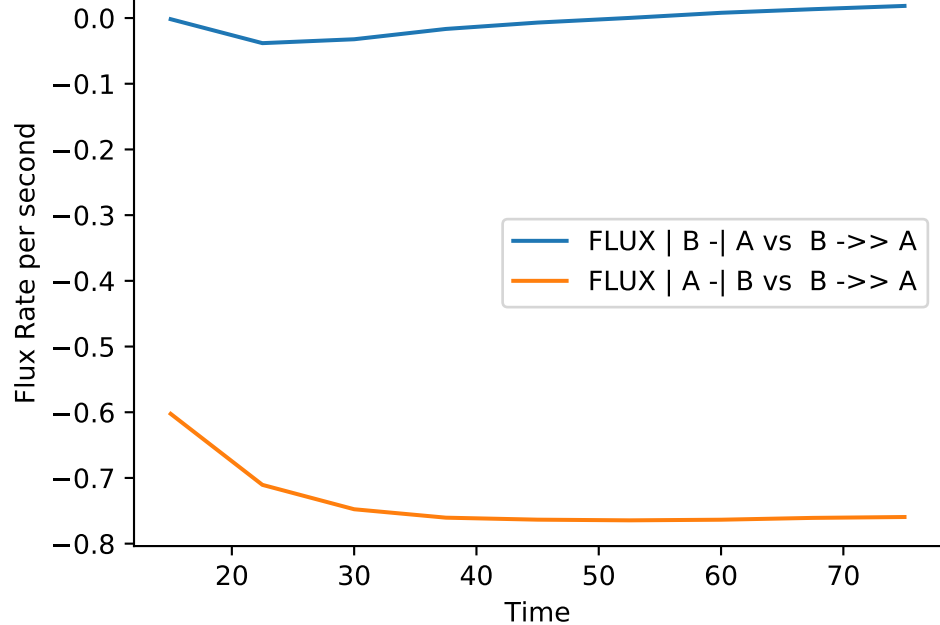
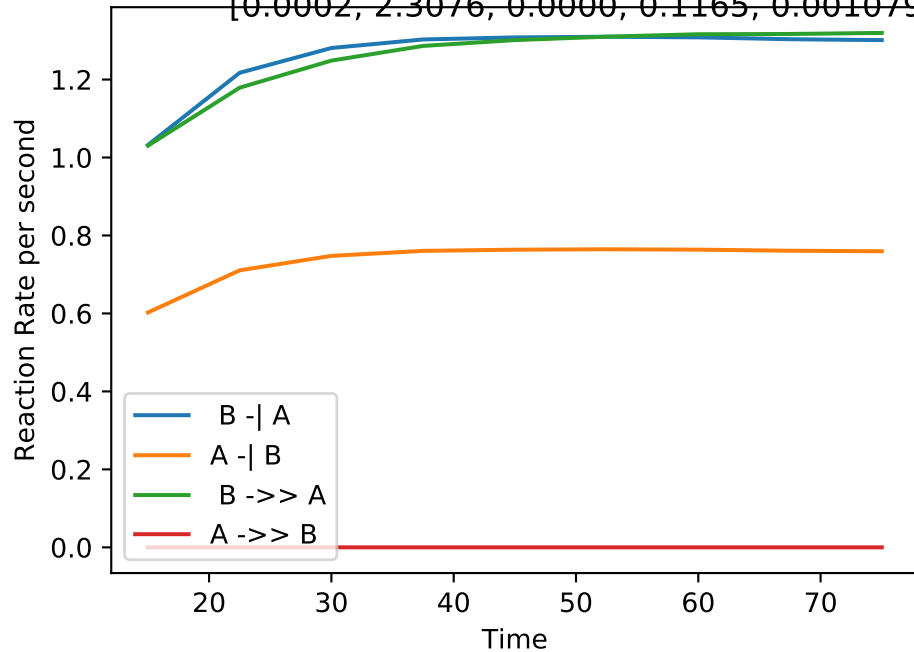
Single_up | MB-LLS Single_up(#135):

[1.3471, 2.3058, 0.0950, 0.1561, 0.0009002, 0.000341, 0.0226, 0.0600, 0.1057, 0.0000]



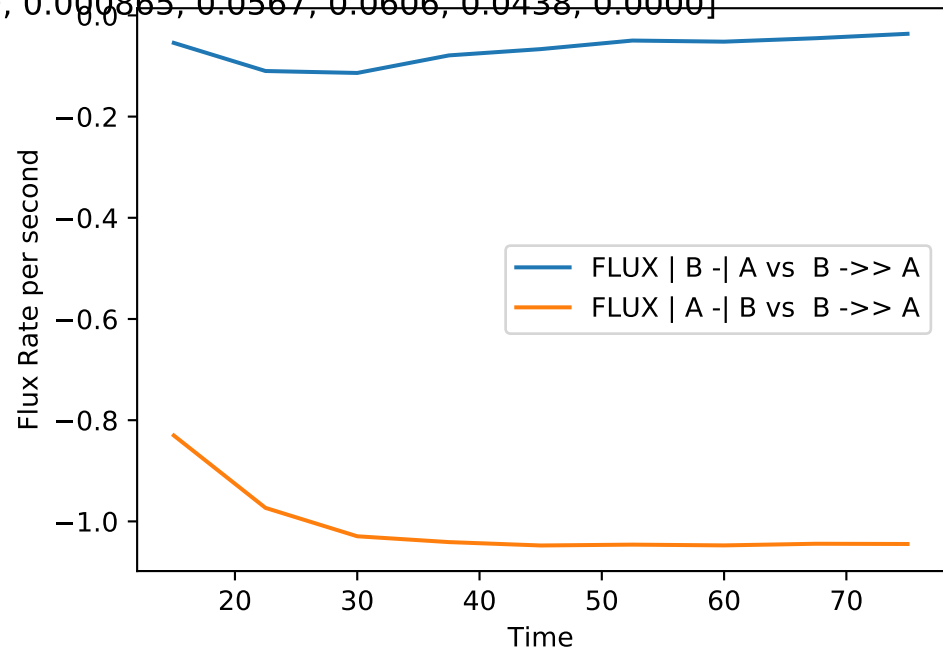
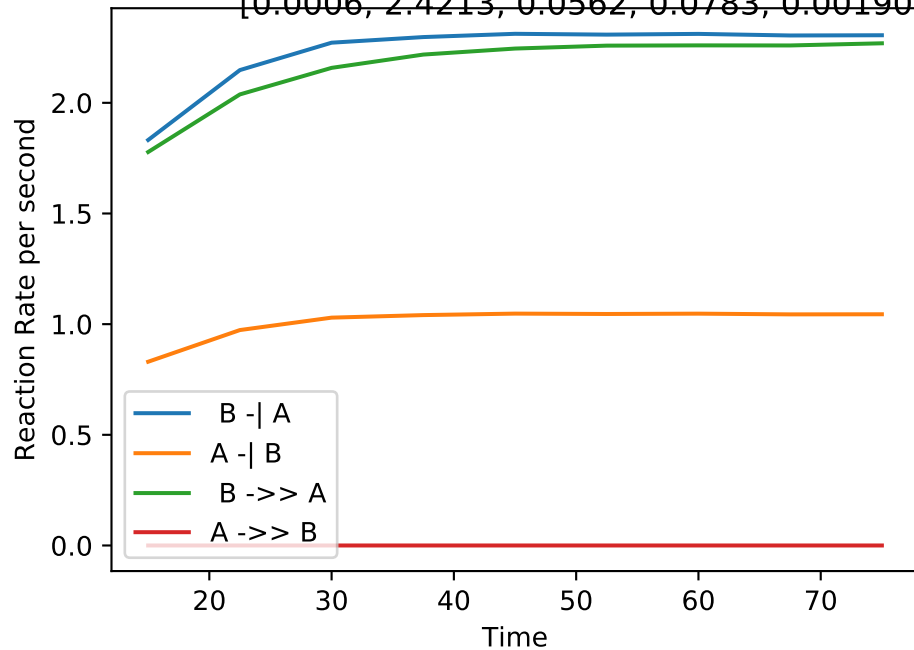
Single_up | MB-LLS Single_up(#136):

[0.0002, 2.3076, 0.0000, 0.1165, 0.001079, 0.0006299, 0.0329, 0.0030, 0.0762, 0.0000]



Single_up | MB-LLS Single_up(#137):

[0.0006, 2.4213, 0.0562, 0.0783, 0.001909, 0.000865, 0.0567, 0.0606, 0.0438, 0.0000]



Single_up | MB-LLS Single_up(#138):

[0.0004, 2.3166, 0.0671, 0.1061, 0.001724, 0.0005072, 0.0518, 0.0694, 0.0625, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time



Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6

20

30

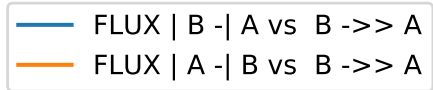
40

50

60

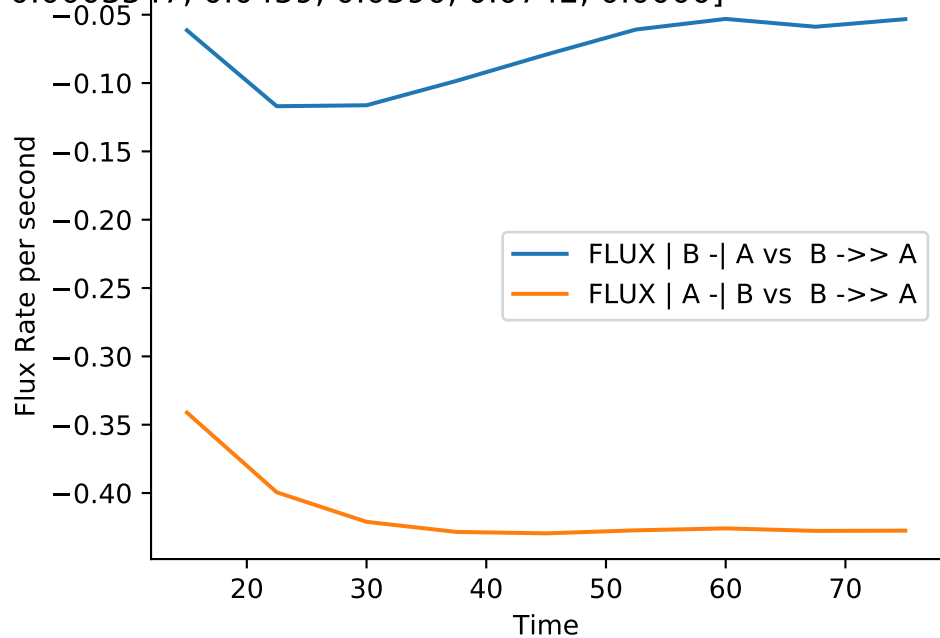
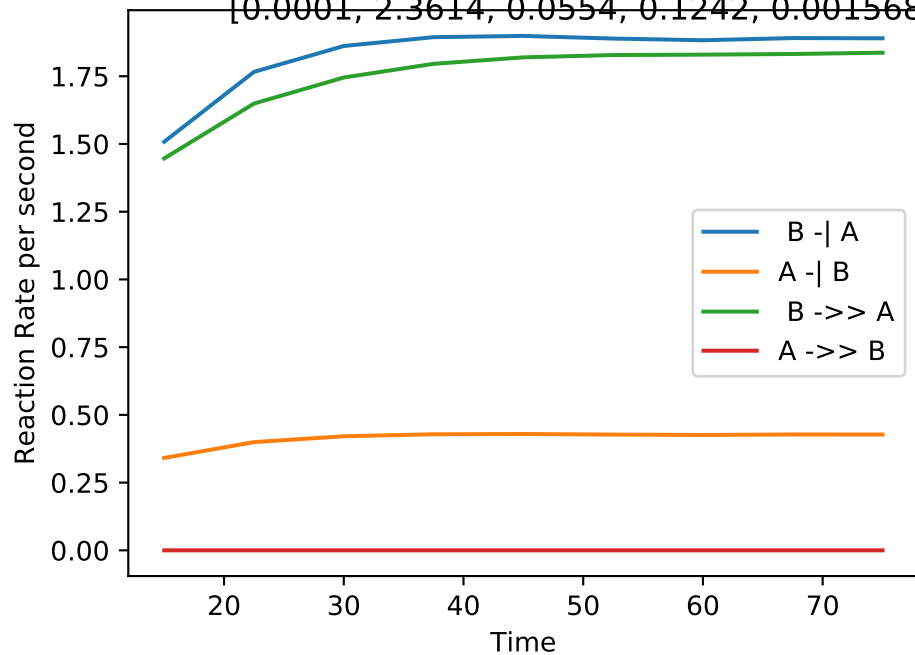
70

Time



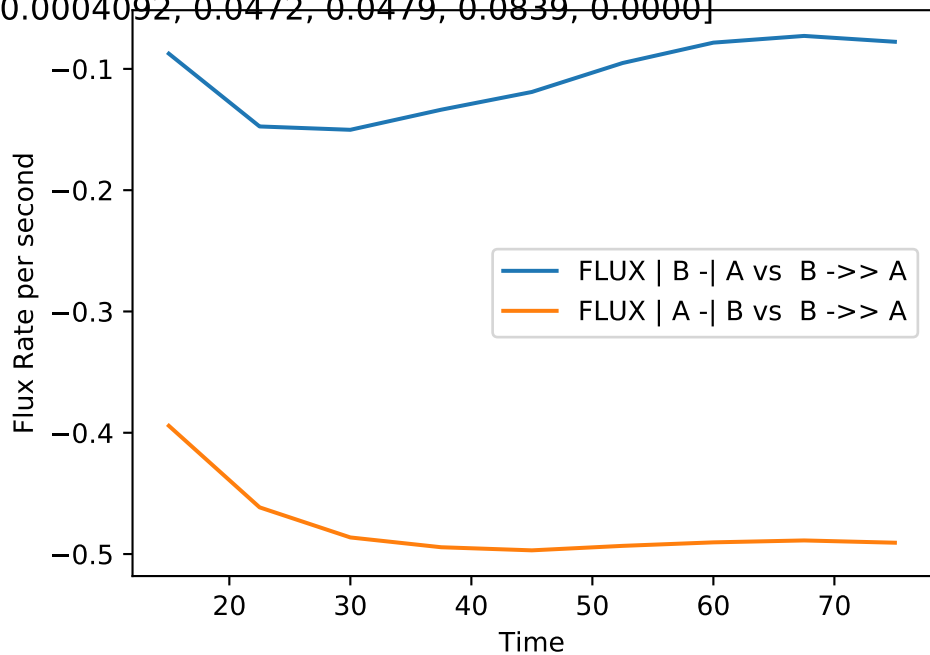
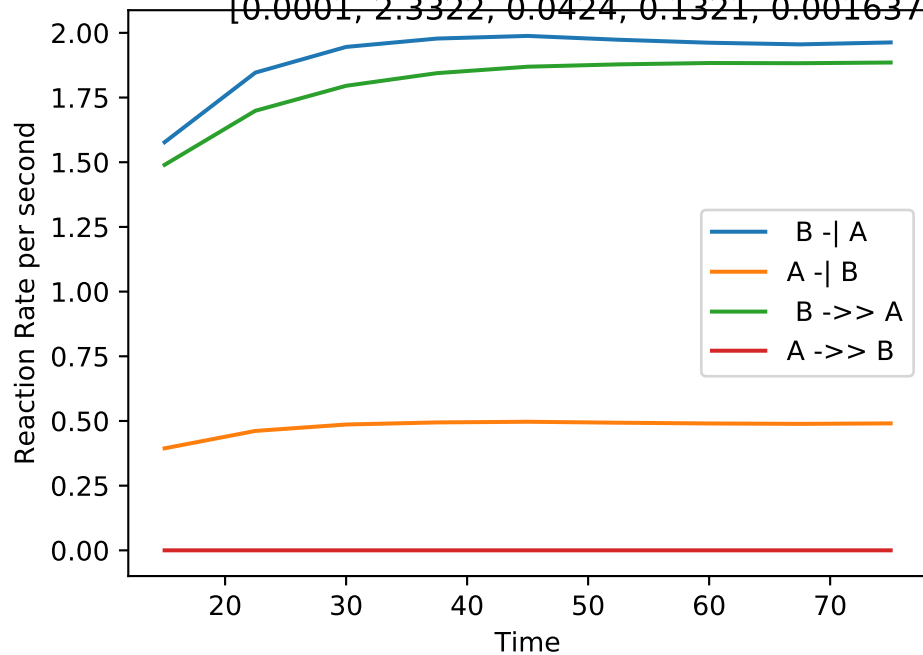
Single_up | MB-LLS Single_up(#139):

[0.0001, 2.3614, 0.0554, 0.1242, 0.001568, 0.0003547, 0.0459, 0.0590, 0.0742, 0.0000]



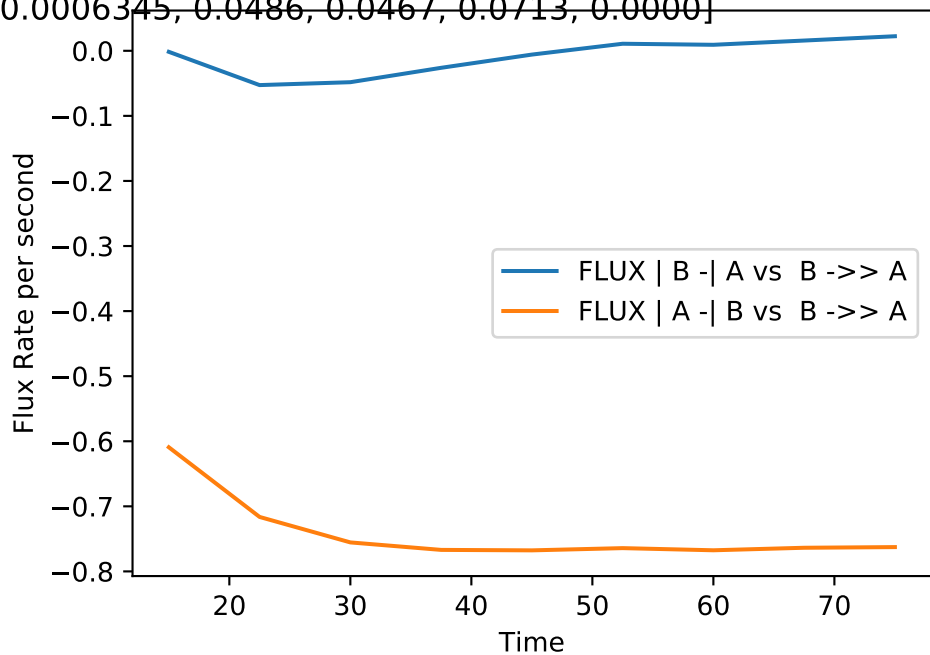
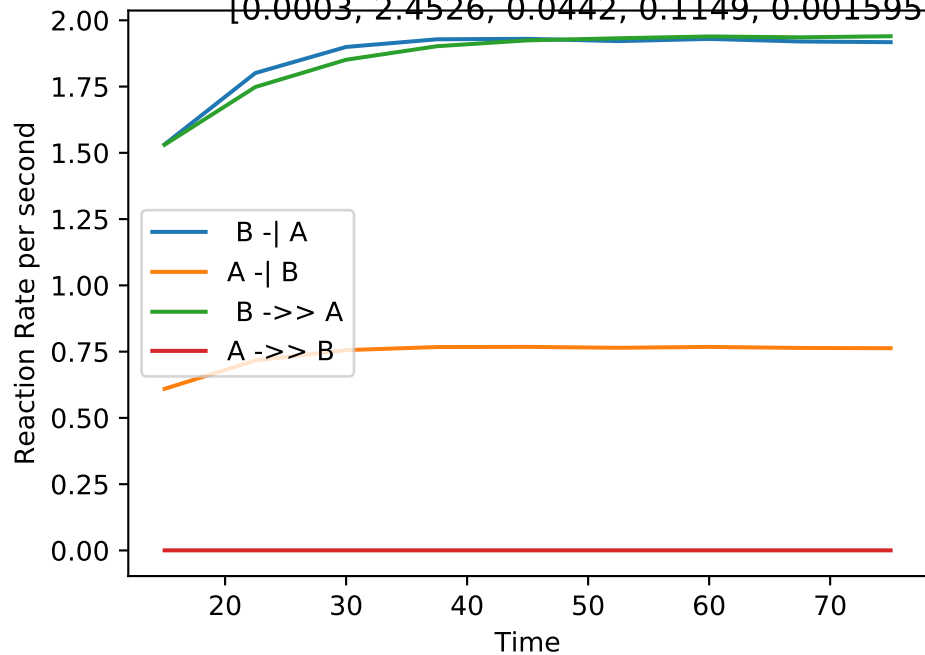
Single_up | MB-LLS Single_up(#140):

[0.0001, 2.3322, 0.0424, 0.1321, 0.001637, 0.0004092, 0.0472, 0.0479, 0.0839, 0.0000]



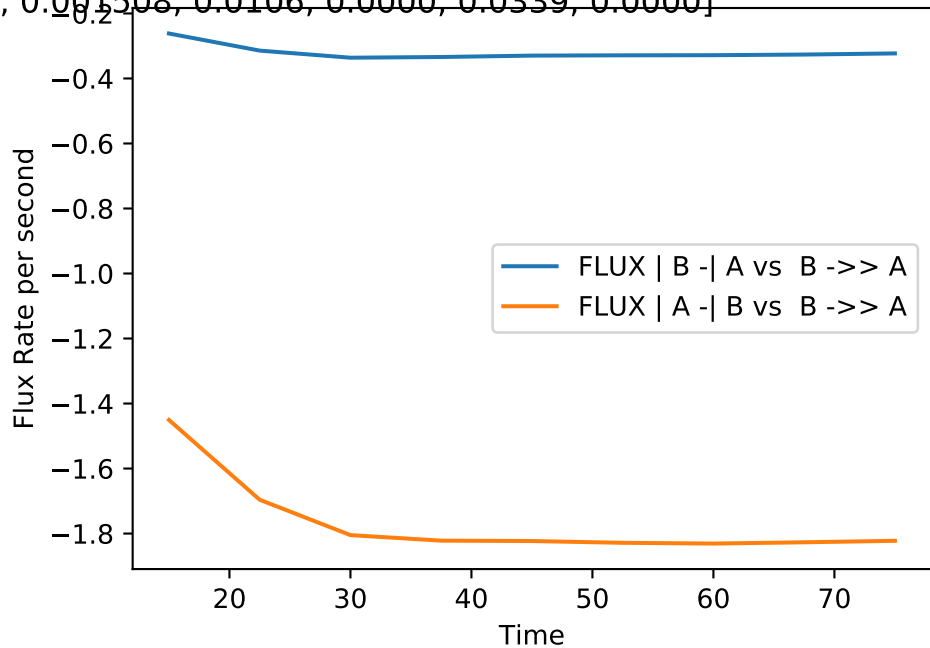
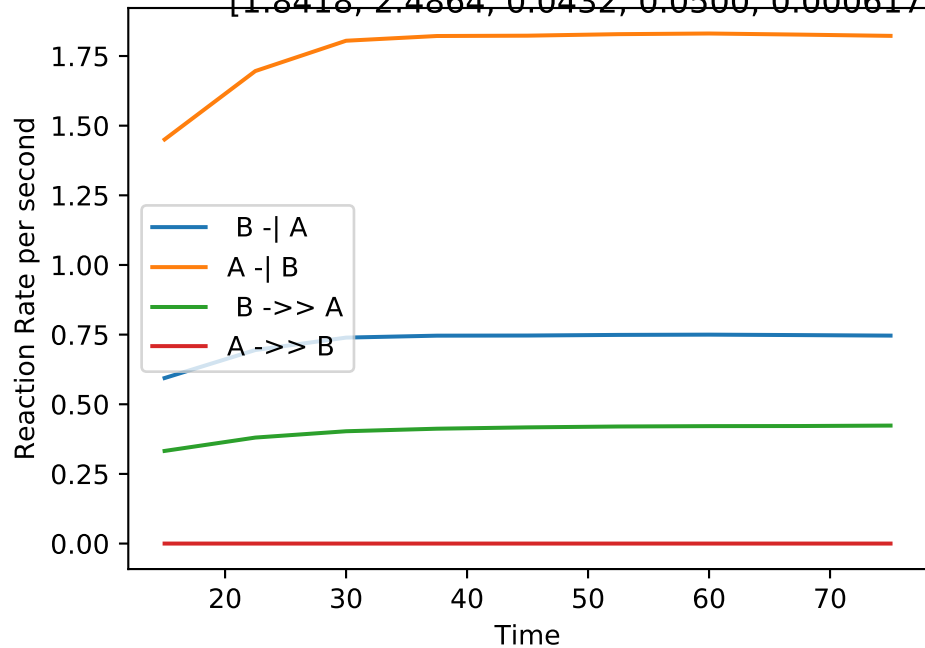
Single_up | MB-LLS Single_up(#141):

[0.0003, 2.4526, 0.0442, 0.1149, 0.001595, 0.0006345, 0.0486, 0.0467, 0.0713, 0.0000]



Single_up | MB-LLS Single_up(#142):

[1.8418, 2.4864, 0.0432, 0.0500, 0.0006176, 0.001508, 0.0106, 0.0000, 0.0339, 0.0000]



Single_up | MB-LLS Single_up(#143):

[0.0868, 2.4189, 0.0692, 0.1060, 0.001702, 0.0005711, 0.0509, 0.0690, 0.0617, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

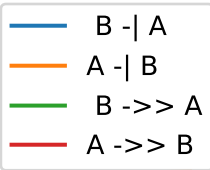
40

50

60

70

Time



Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7

20

30

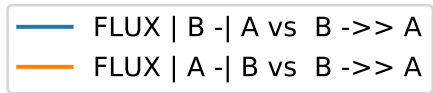
40

50

60

70

Time



Single_up | MB-LLS Single_up(#144):

[0.0003, 2.3684, 0.0456, 0.1391, 0.001644, 0.0005239, 0.0511, 0.0469, 0.0933, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time



Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6

20

30

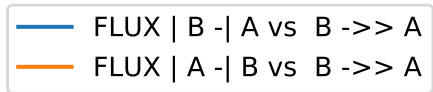
40

50

60

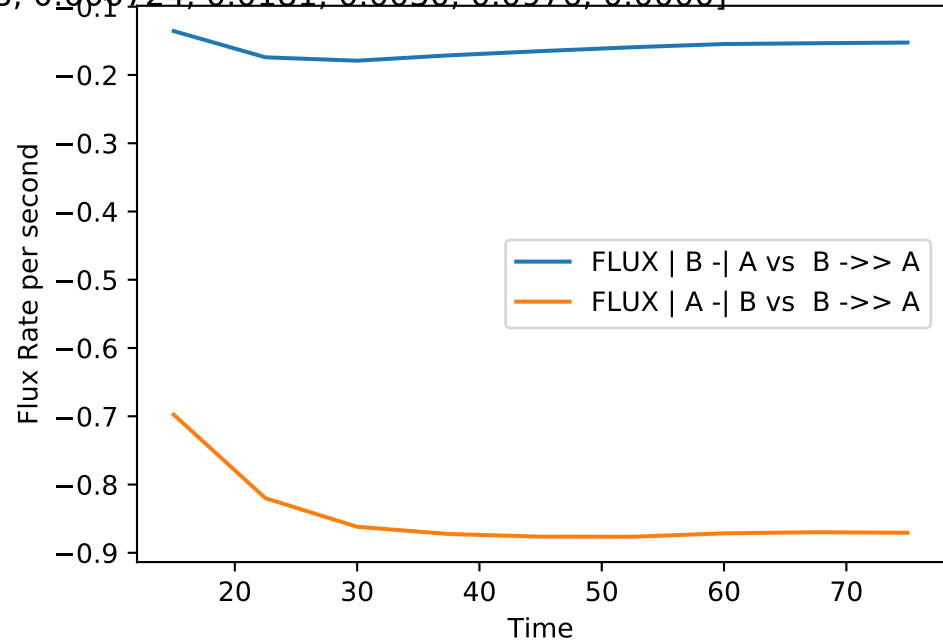
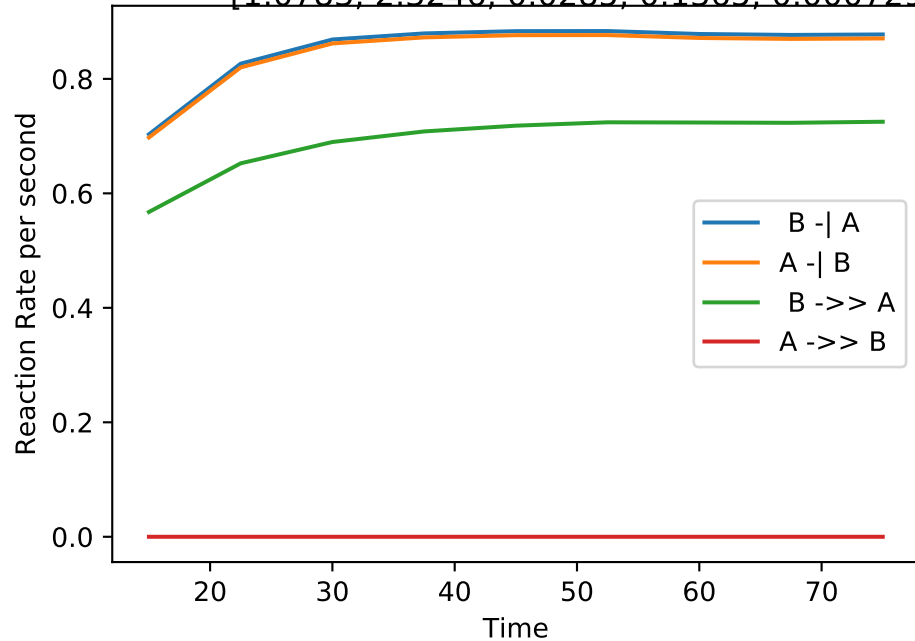
70

Time



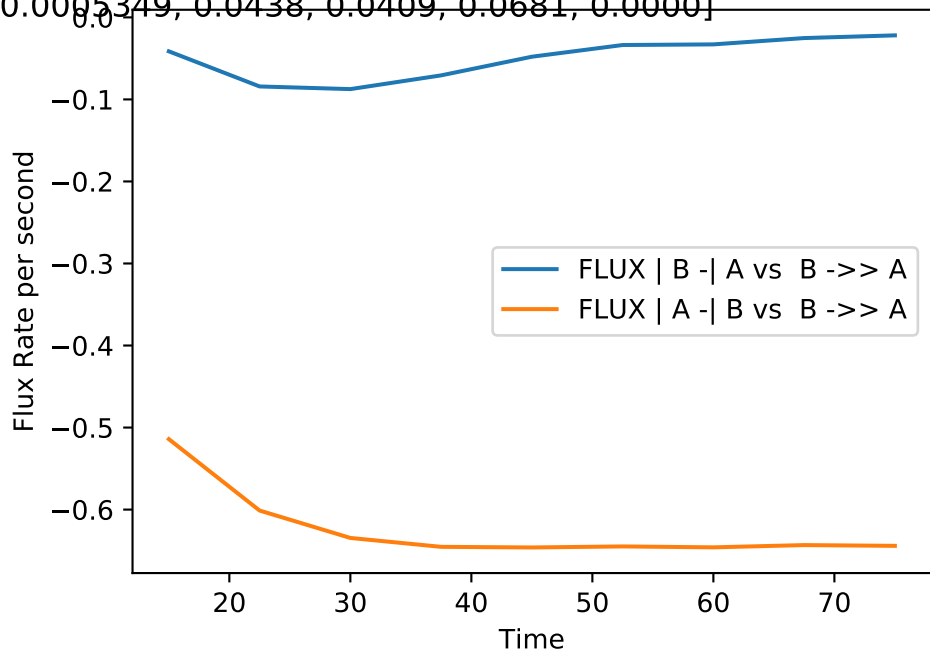
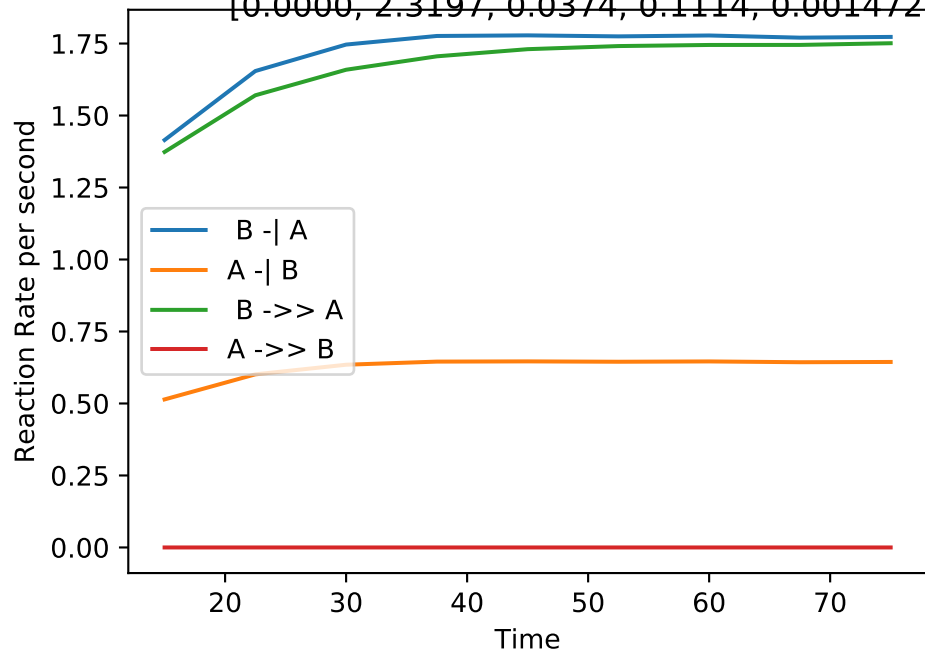
Single_up | MB-LLS Single_up(#145):

[1.0783, 2.3246, 0.0285, 0.1365, 0.0007298, 0.000724, 0.0181, 0.0030, 0.0976, 0.0000]



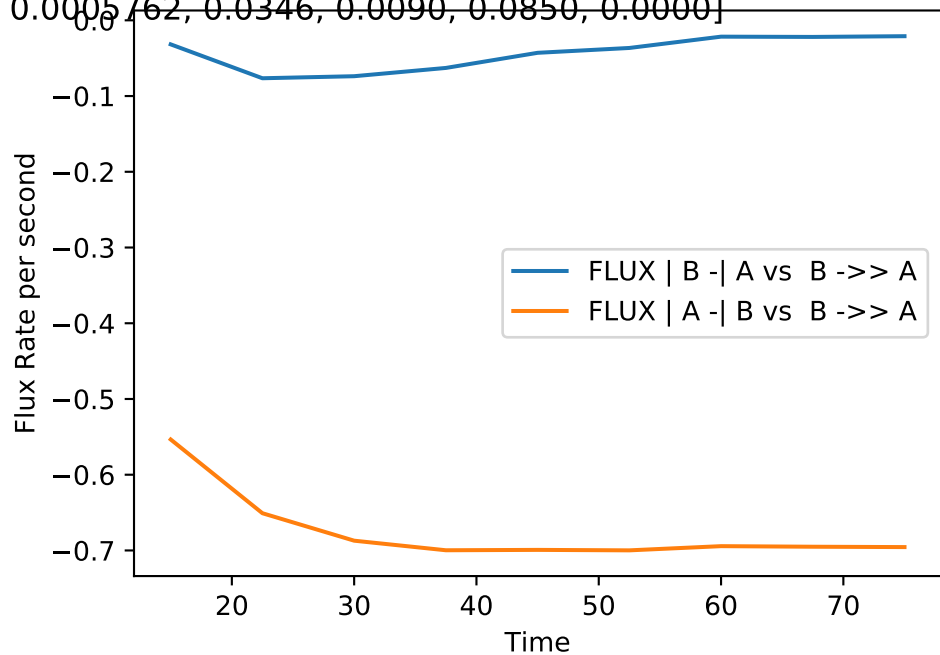
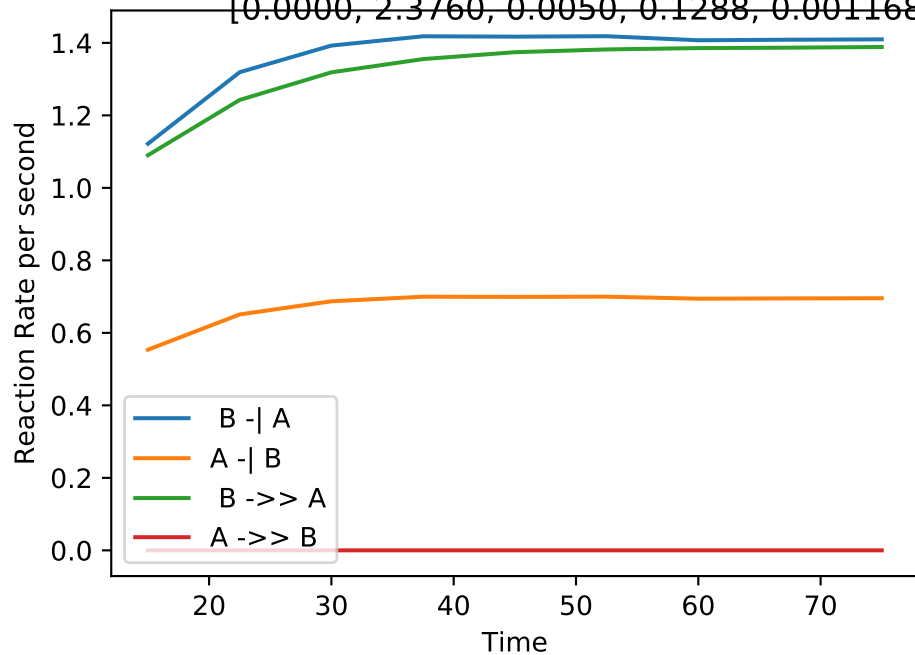
Single_up | MB-LLS Single_up(#146):

[0.0000, 2.3197, 0.0374, 0.1114, 0.001472, 0.0005349, 0.0438, 0.0409, 0.0681, 0.0000]



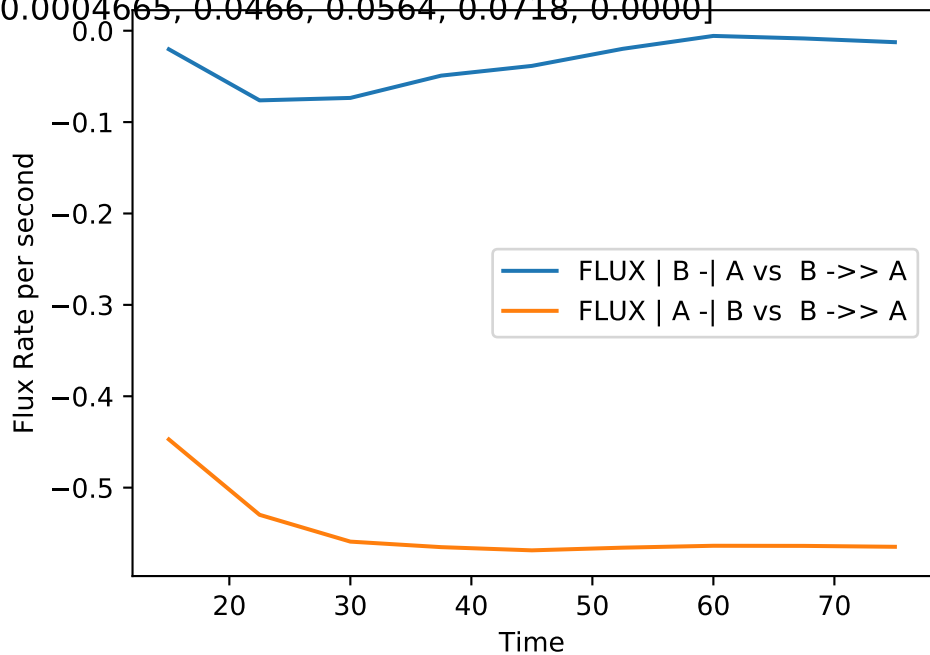
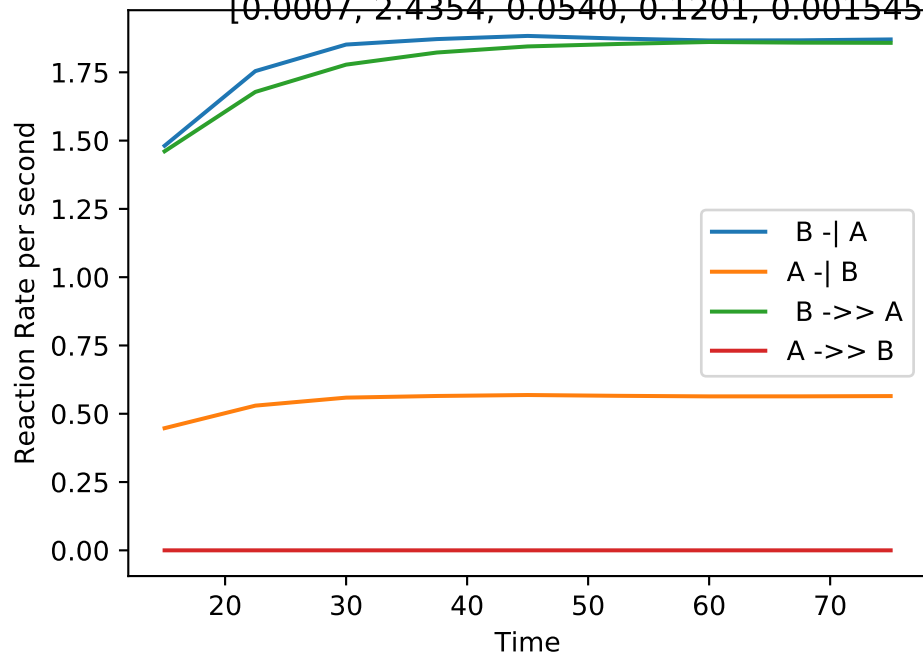
Single_up | MB-LLS Single_up(#147):

[0.0000, 2.3760, 0.0050, 0.1288, 0.001168, 0.0005762, 0.0346, 0.0090, 0.0850, 0.0000]



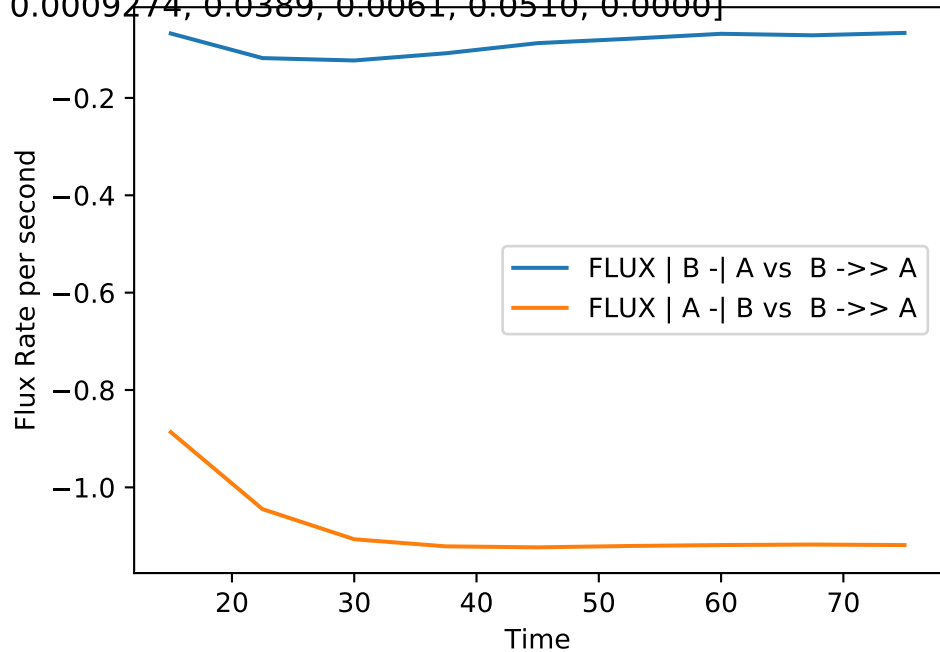
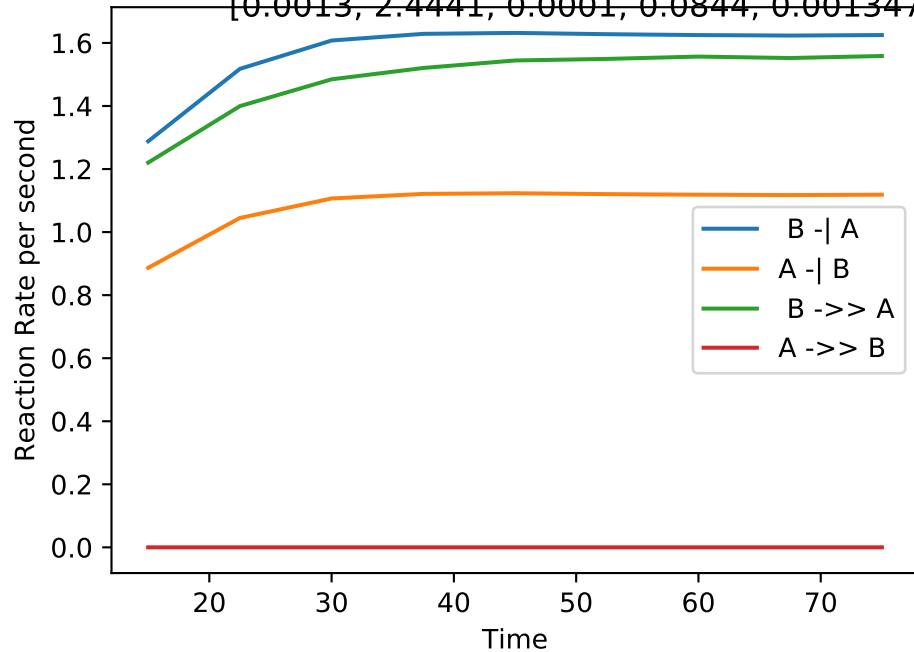
Single_up | MB-LLS Single_up(#148):

[0.0007, 2.4354, 0.0540, 0.1201, 0.001545, 0.0004665, 0.0466, 0.0564, 0.0718, 0.0000]



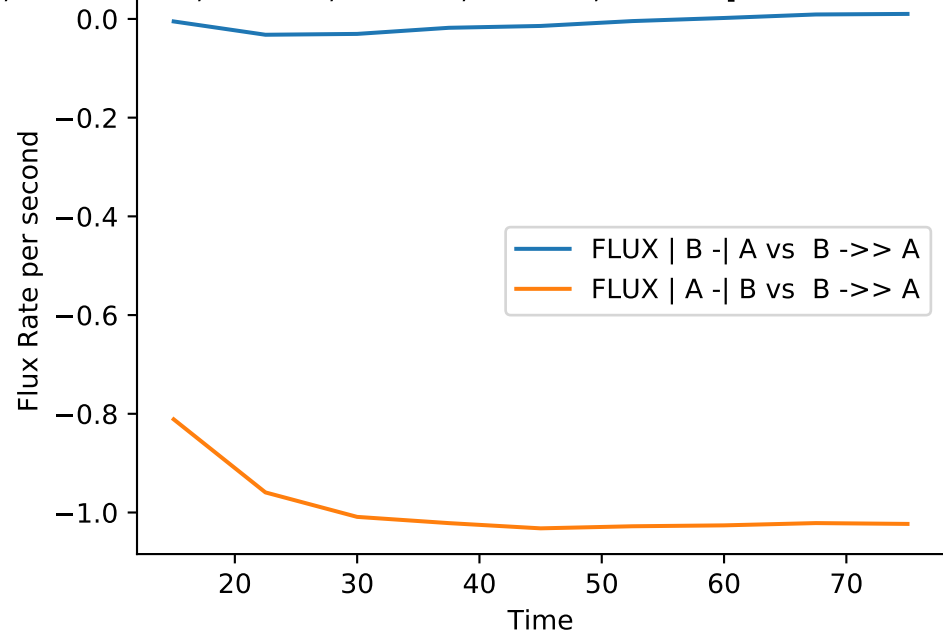
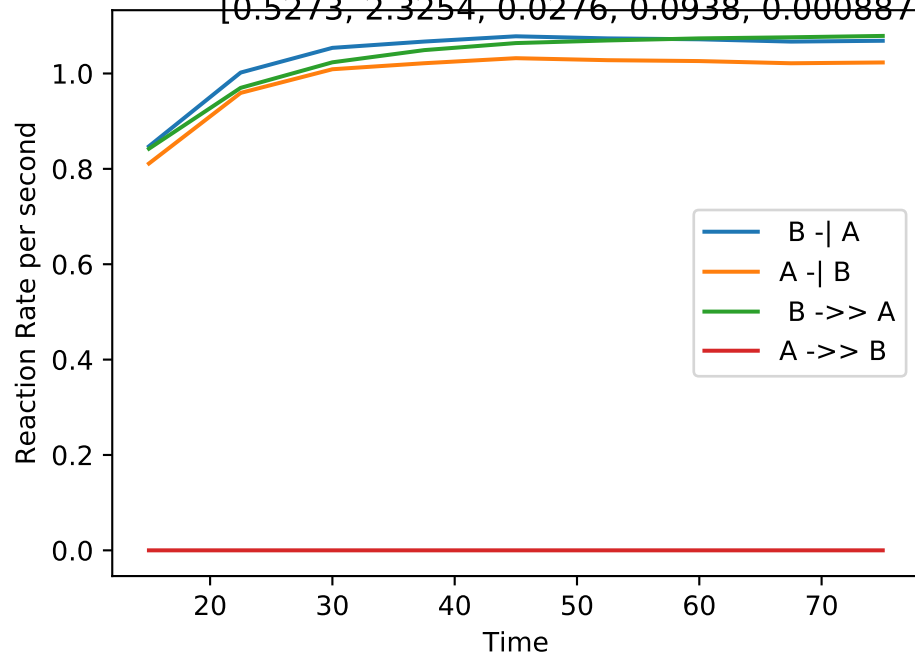
Single_up | MB-LLS Single_up(#149):

[0.0013, 2.4441, 0.0001, 0.0844, 0.001347, 0.0009274, 0.0389, 0.0061, 0.0510, 0.0000]



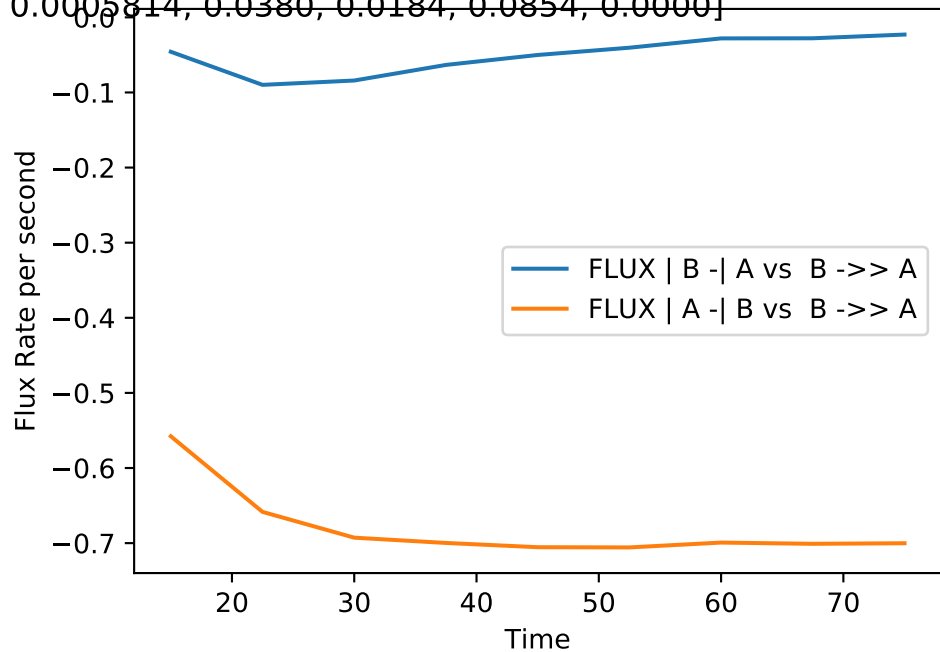
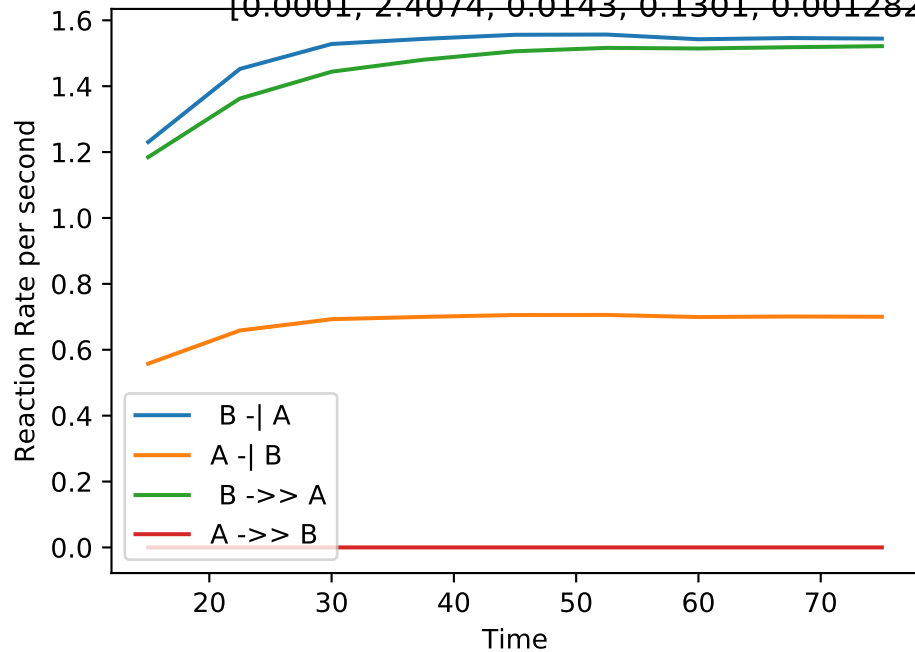
Single_up | MB-LLS Single_up(#150):

[0.5273, 2.3254, 0.0276, 0.0938, 0.0008876, 0.0008498, 0.0270, 0.0141, 0.0602, 0.0000]



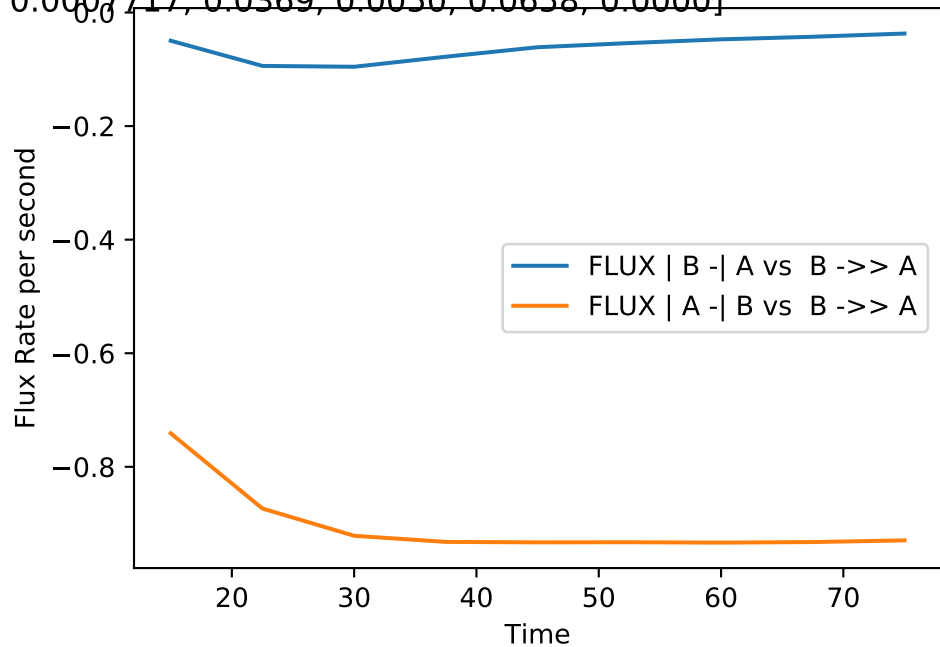
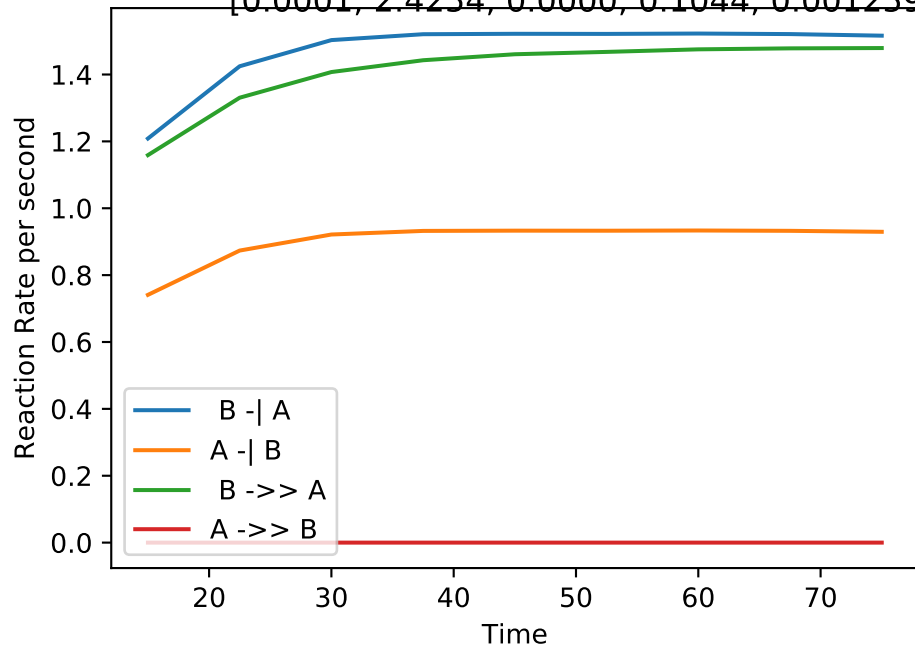
Single_up | MB-LLS Single_up(#151):

[0.0001, 2.4074, 0.0143, 0.1301, 0.001282, 0.0005814, 0.0380, 0.0184, 0.0854, 0.0000]



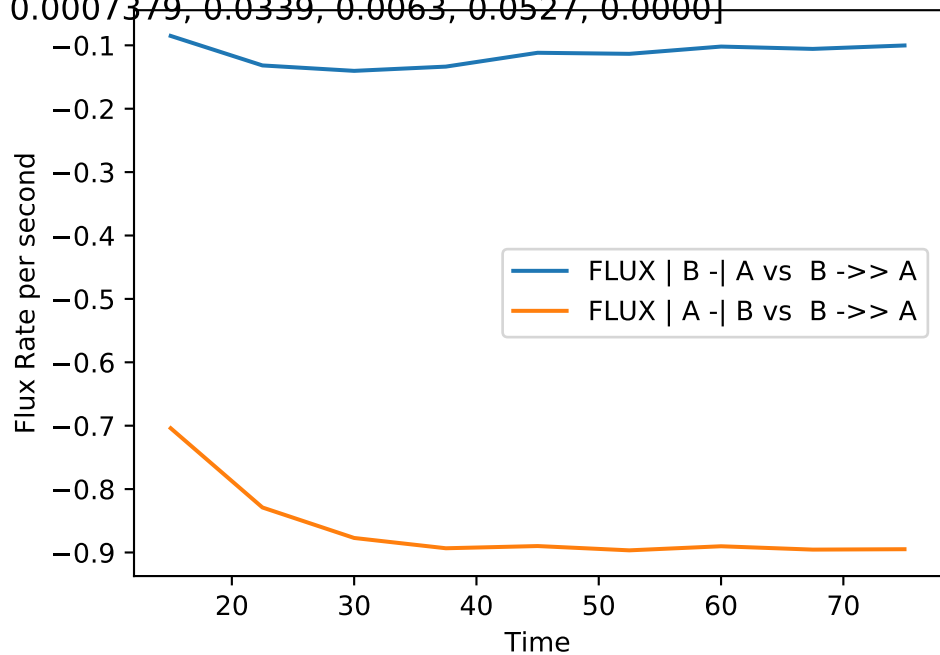
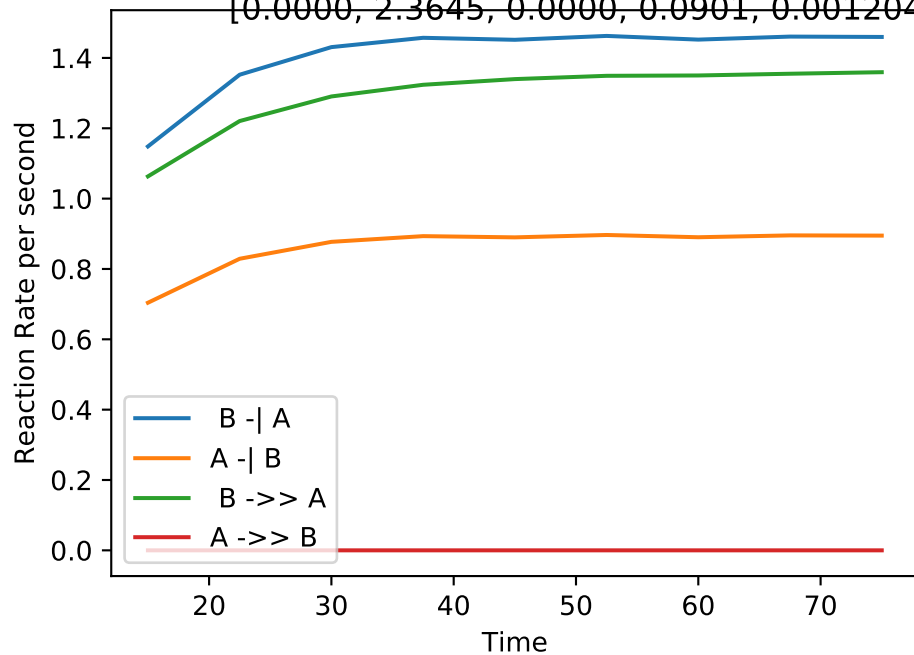
Single_up | MB-LLS Single_up(#152):

[0.0001, 2.4254, 0.0000, 0.1044, 0.001259, 0.0007717, 0.0369, 0.0050, 0.0658, 0.0000]



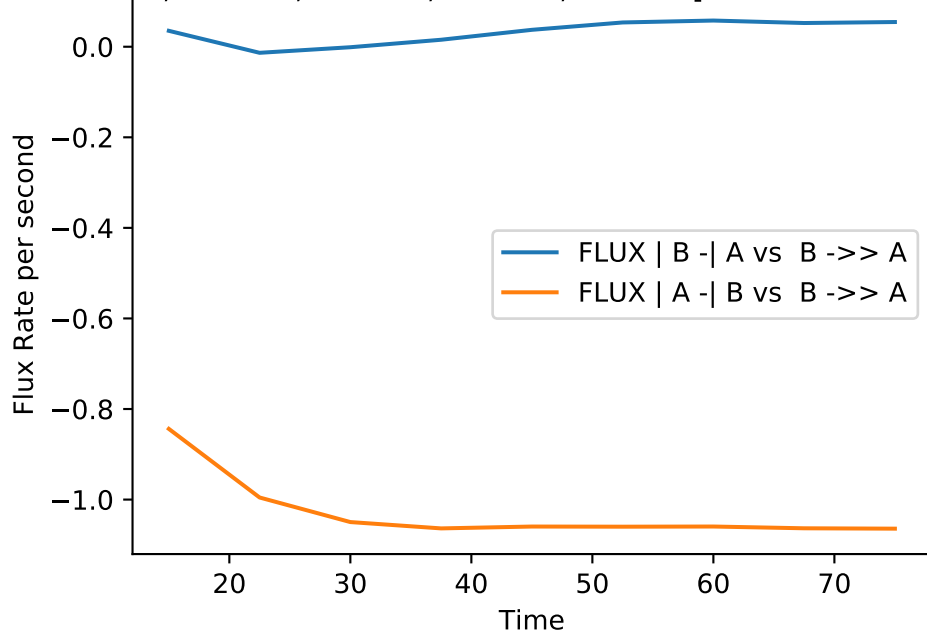
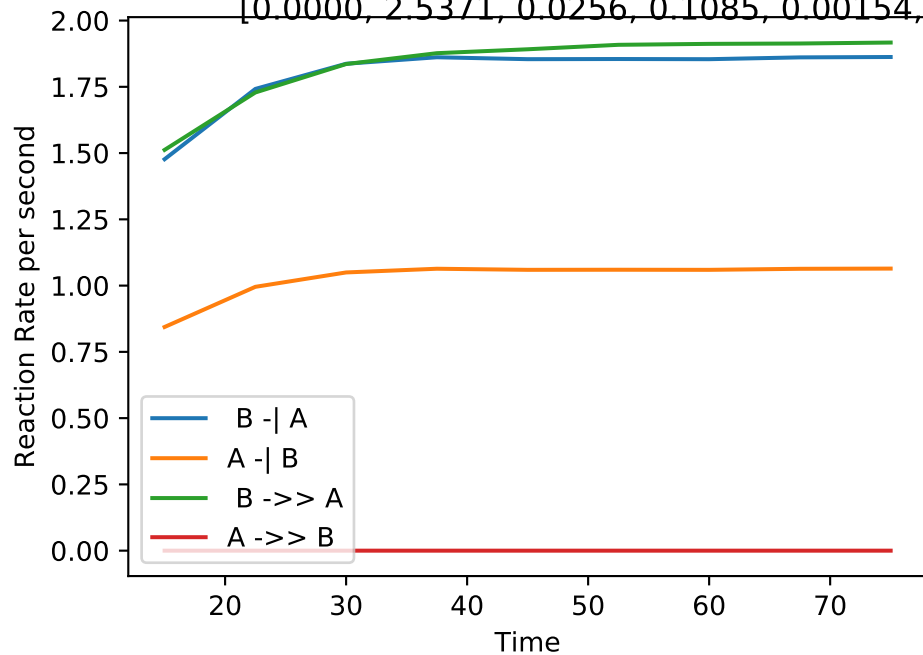
Single_up | MB-LLS Single_up(#153):

[0.0000, 2.3645, 0.0000, 0.0901, 0.001204, 0.0007379, 0.0339, 0.0063, 0.0527, 0.0000]



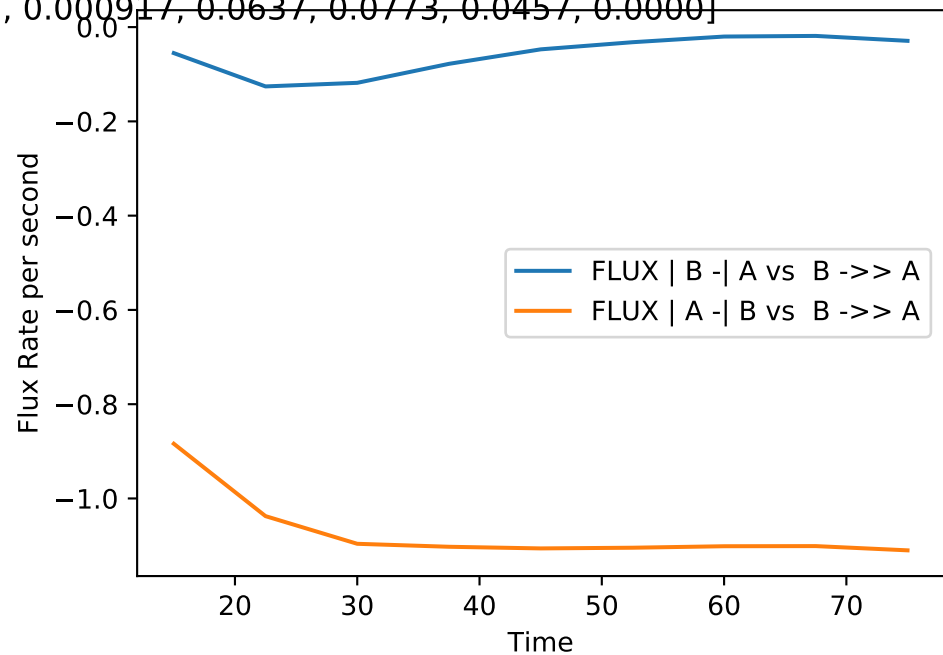
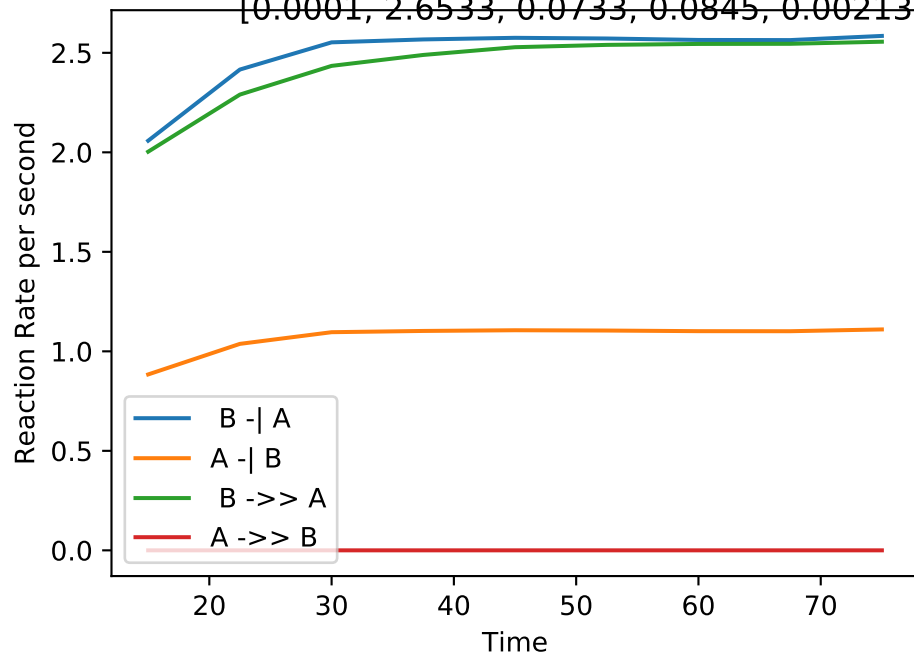
Single_up | MB-LLS Single_up(#154):

[0.0000, 2.5371, 0.0256, 0.1085, 0.00154, 0.0008798, 0.0480, 0.0278, 0.0701, 0.0000]



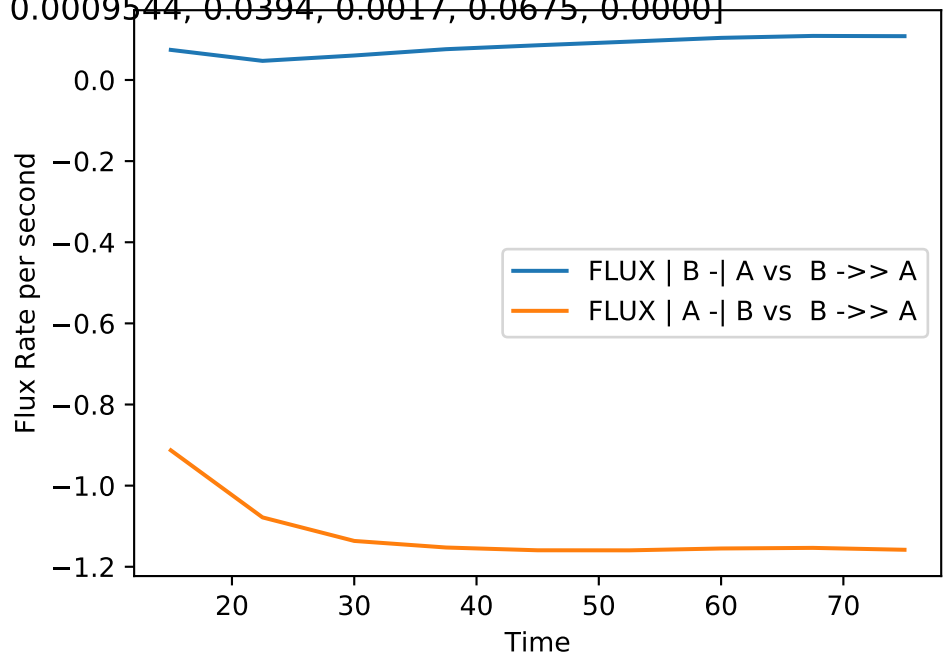
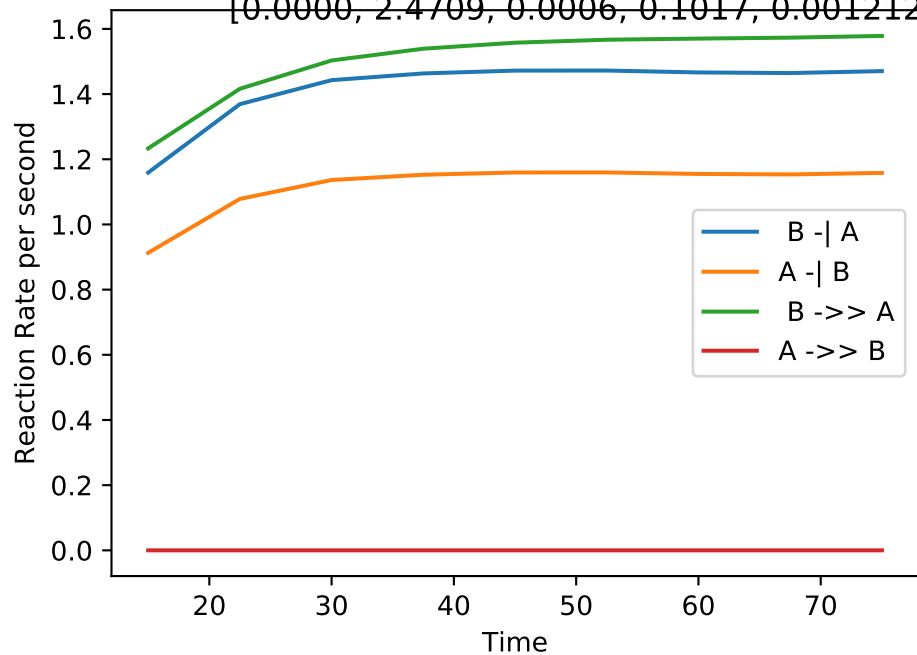
Single_up | MB-LLS Single_up(#155):

[0.0001, 2.6533, 0.0733, 0.0845, 0.002135, 0.000917, 0.0637, 0.0773, 0.0457, 0.0000]



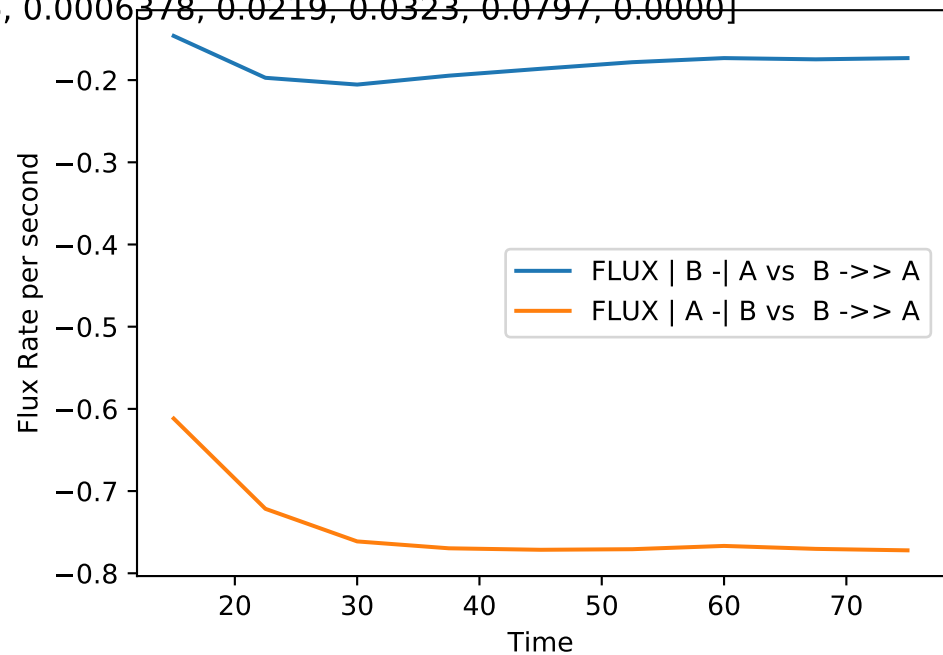
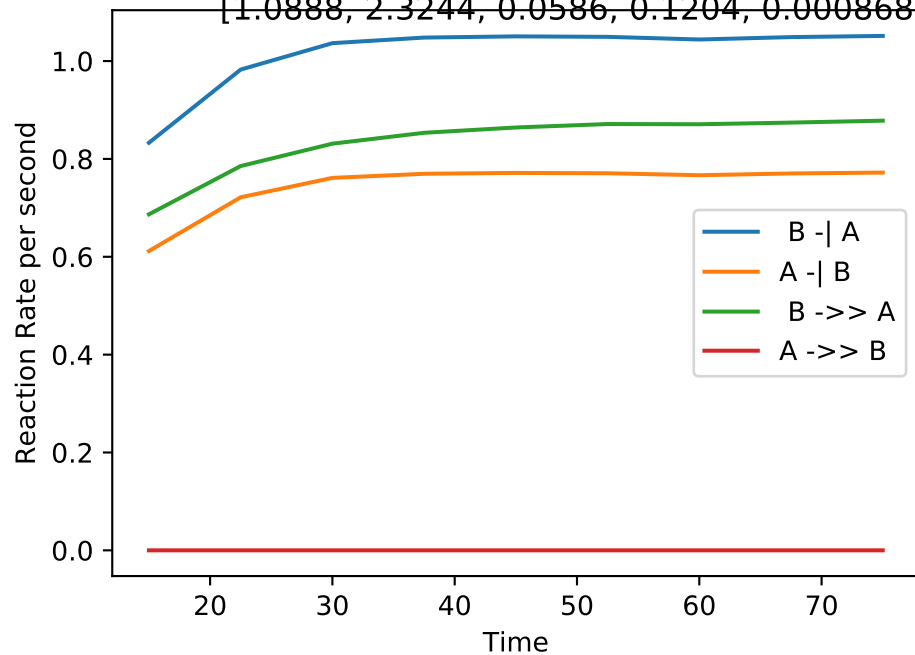
Single_up | MB-LLS Single_up(#156):

[0.0000, 2.4709, 0.0006, 0.1017, 0.001212, 0.0009544, 0.0394, 0.0017, 0.0675, 0.0000]



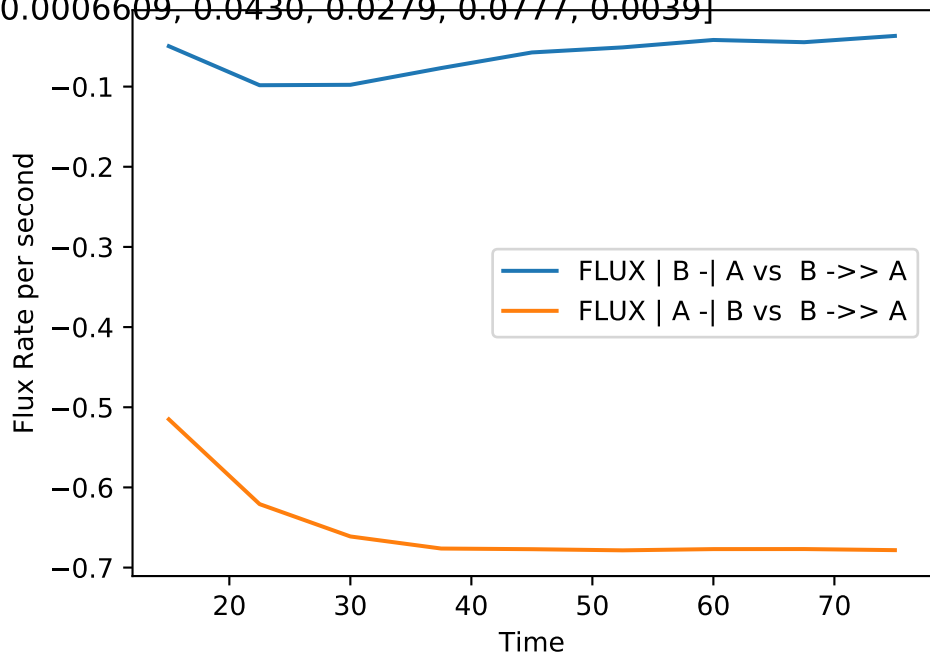
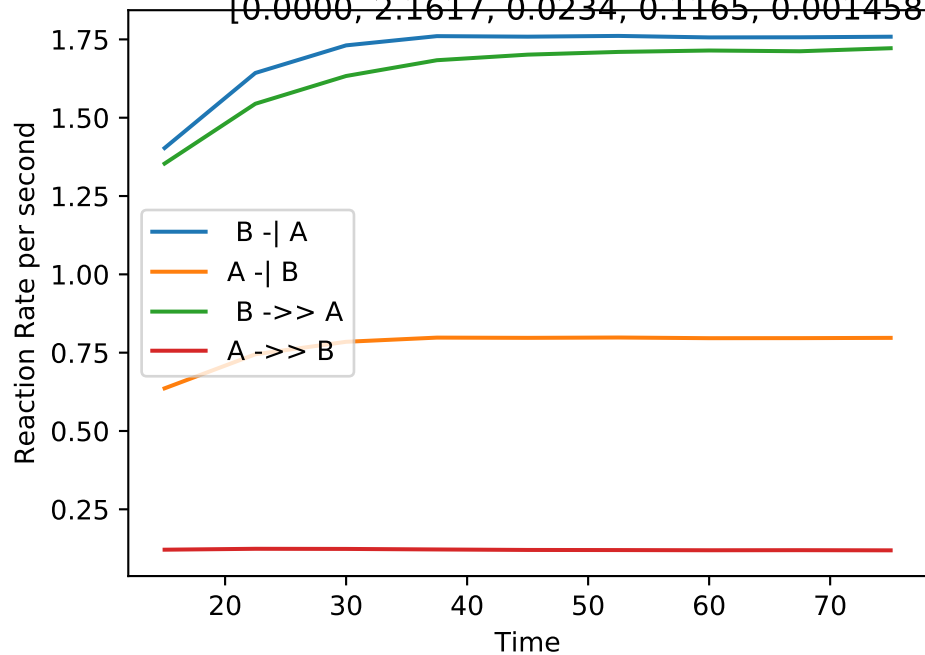
Single_up | MB-LLS Single_up(#157):

[1.0888, 2.3244, 0.0586, 0.1204, 0.0008686, 0.0006378, 0.0219, 0.0323, 0.0797, 0.0000]



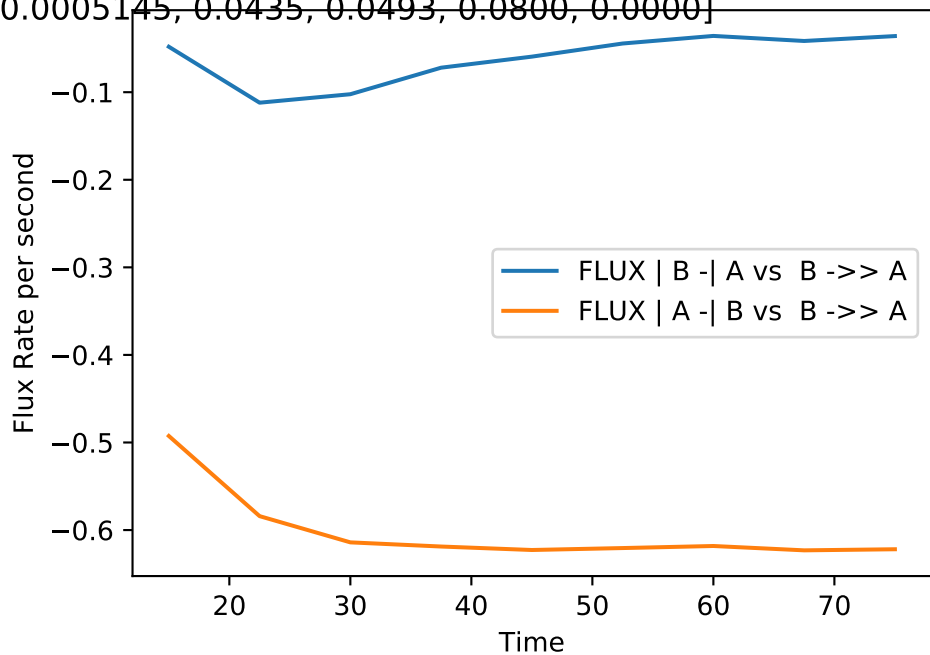
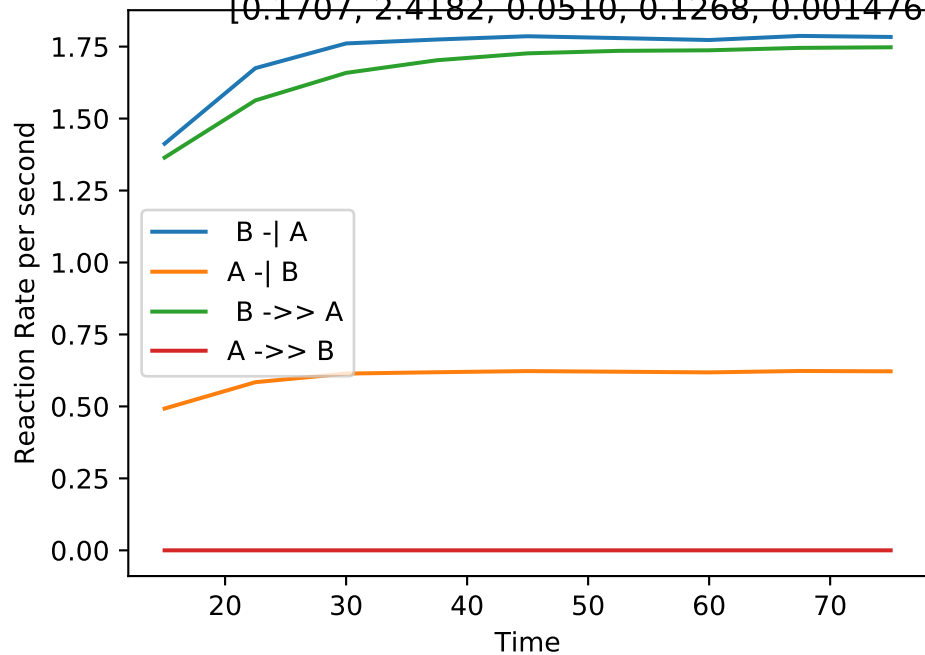
Single_up | MB-LLS Single_up(#158):

[0.0000, 2.1617, 0.0234, 0.1165, 0.001458, 0.0006609, 0.0430, 0.0279, 0.0777, 0.0039]



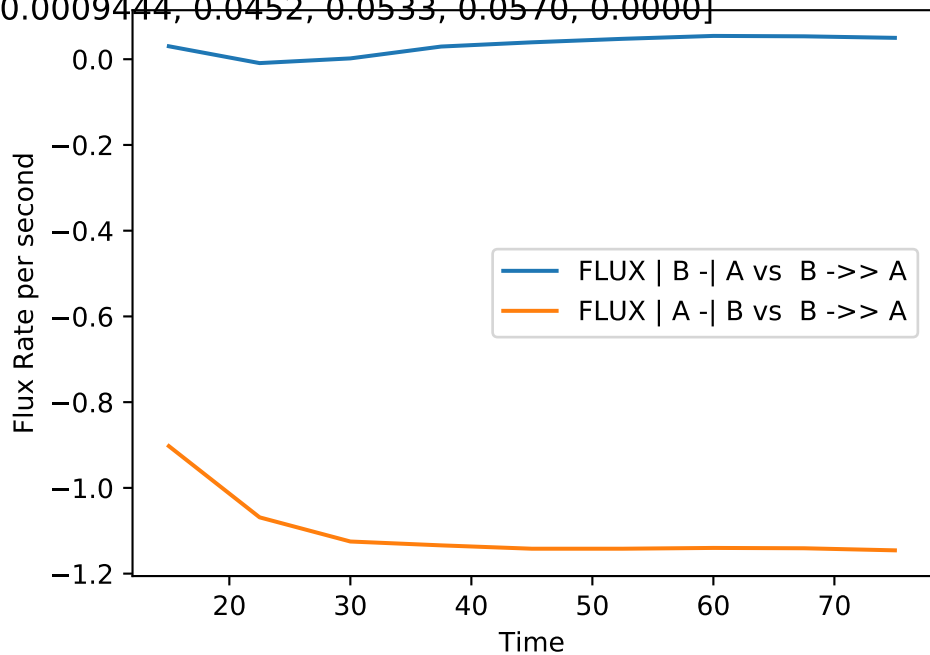
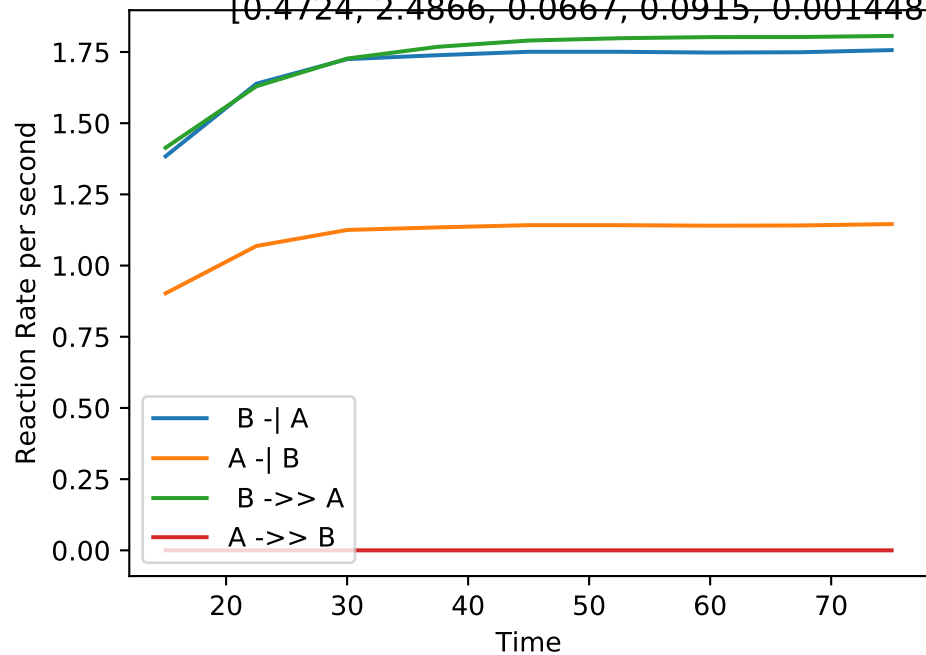
Single_up | MB-LLS Single_up(#159):

[0.1707, 2.4182, 0.0510, 0.1268, 0.001476, 0.0005145, 0.0435, 0.0493, 0.0800, 0.0000]



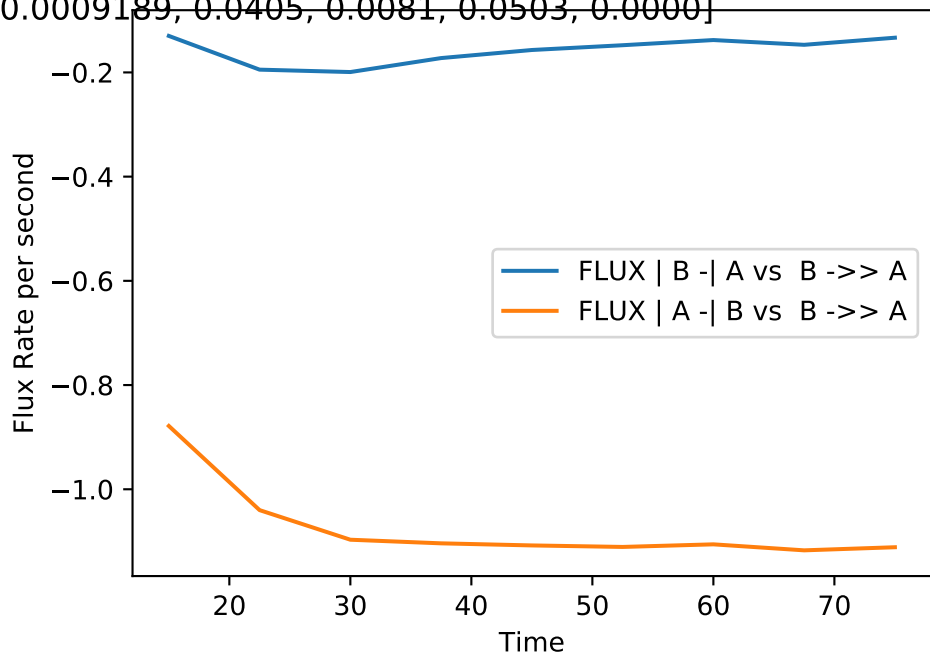
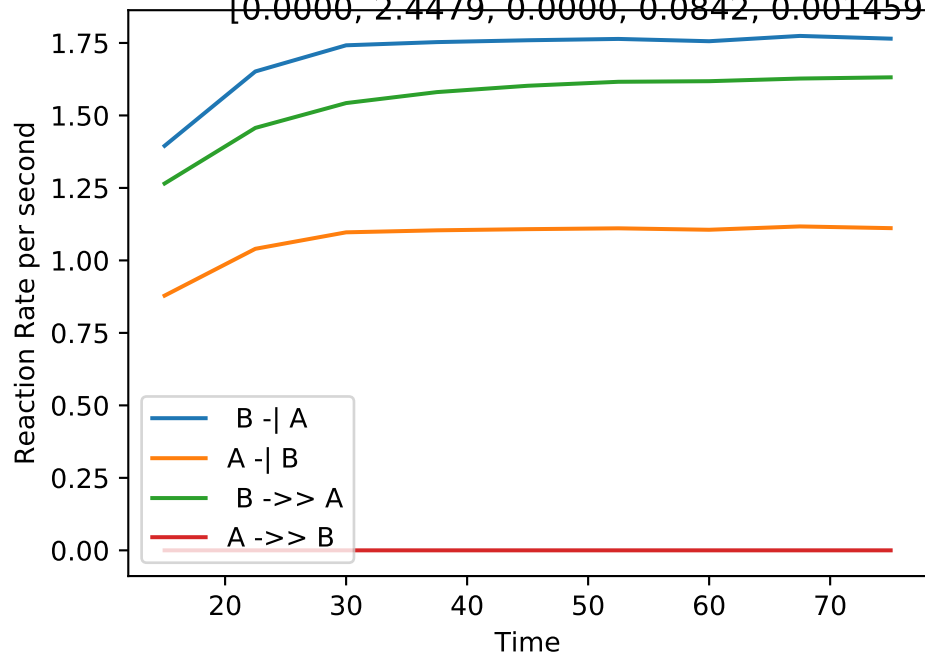
Single_up | MB-LLS Single_up(#160):

[0.4724, 2.4866, 0.0667, 0.0915, 0.001448, 0.0009444, 0.0452, 0.0533, 0.0570, 0.0000]



Single_up | MB-LLS Single_up(#161):

[0.0000, 2.4479, 0.0000, 0.0842, 0.001459, 0.0009189, 0.0405, 0.0081, 0.0503, 0.0000]



Single_up | MB-LLS Single_up(#162):

[0.0008, 2.4112, 0.0608, 0.1106, 0.001699, 0.0006389, 0.0526, 0.0620, 0.0683, 0.0000]

Reaction Rate per second

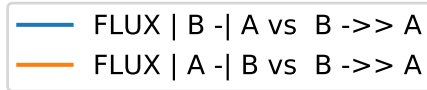
2.0
1.5
1.0
0.5
0.0



Time

Flux Rate per second

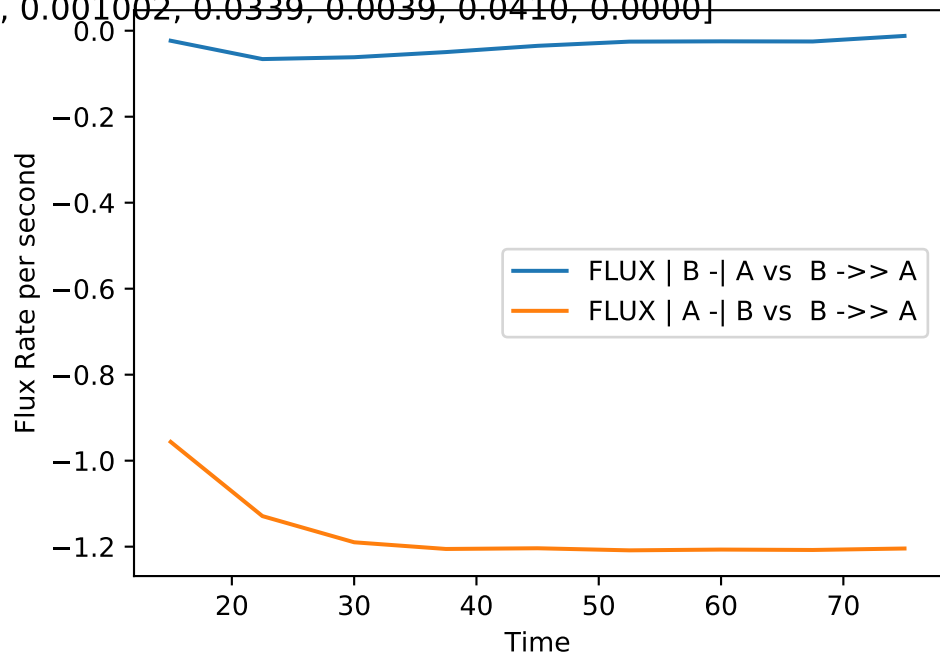
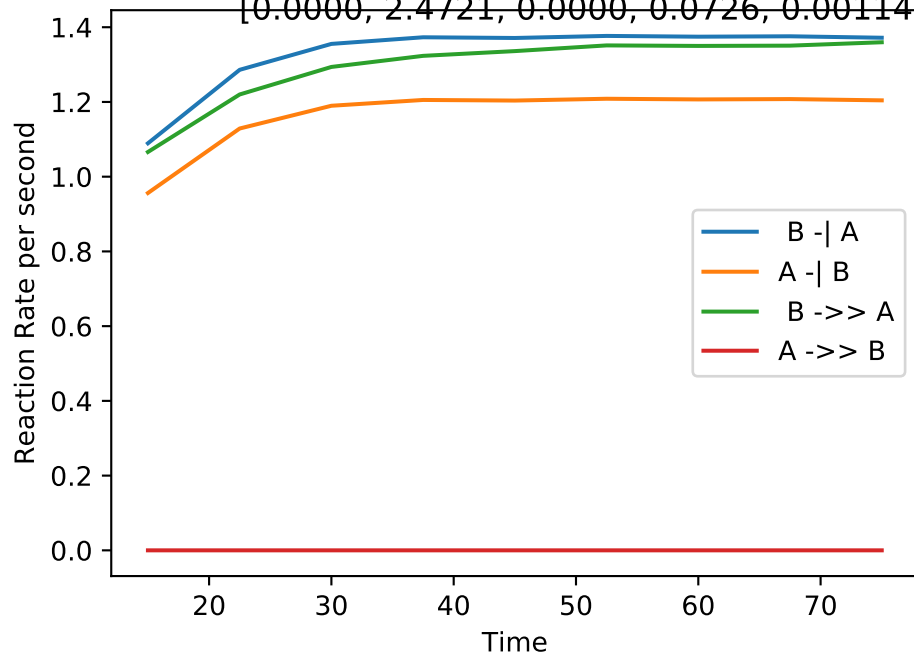
0.0
-0.2
-0.4
-0.6
-0.8



Time

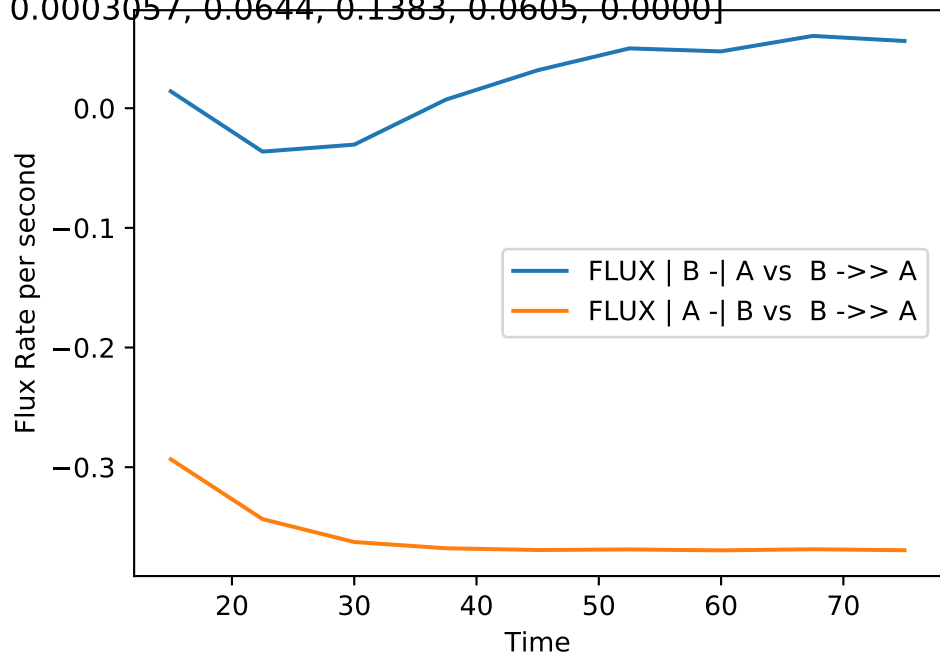
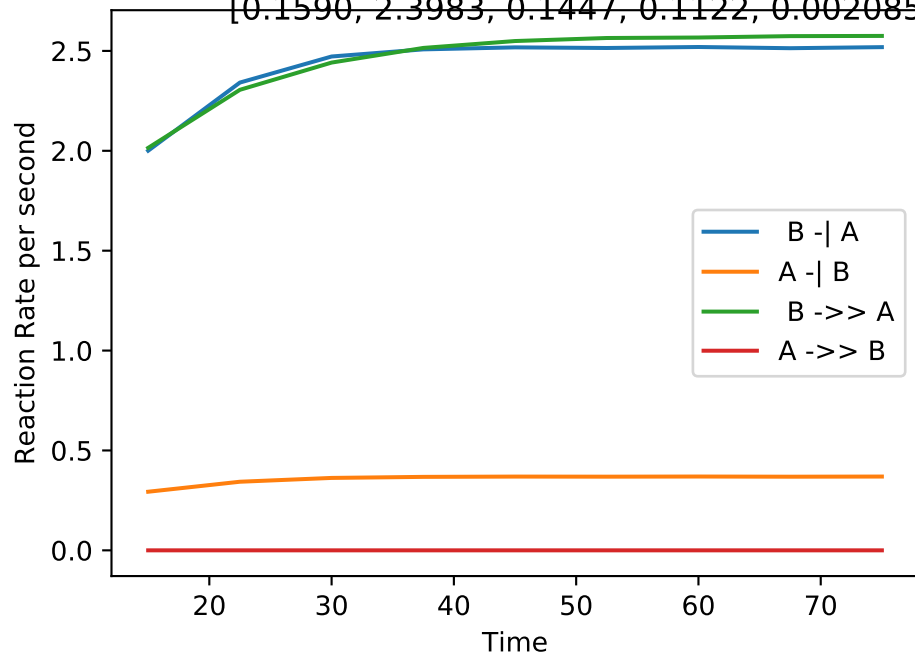
Single_up | MB-LLS Single_up(#163):

[0.0000, 2.4721, 0.0000, 0.0726, 0.001142, 0.001002, 0.0339, 0.0039, 0.0410, 0.0000]



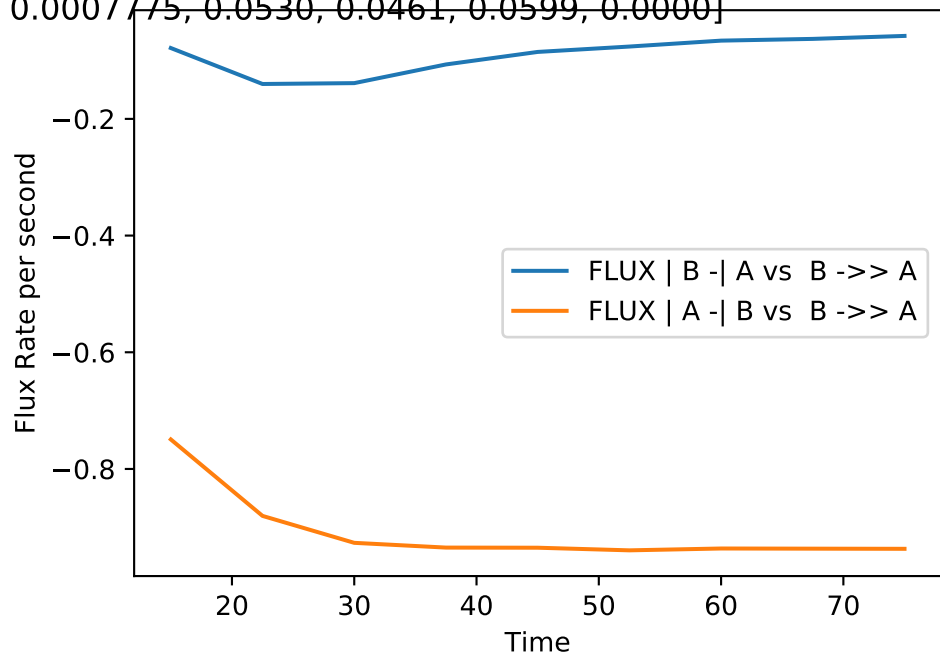
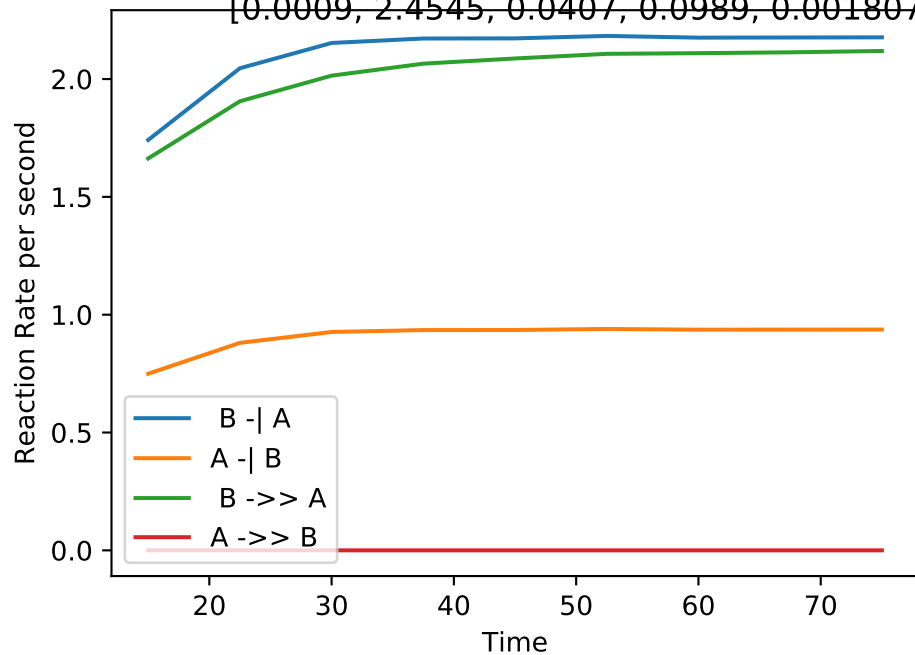
Single_up | MB-LLS Single_up(#164):

[0.1590, 2.3983, 0.1447, 0.1122, 0.002085, 0.0003057, 0.0644, 0.1383, 0.0605, 0.0000]



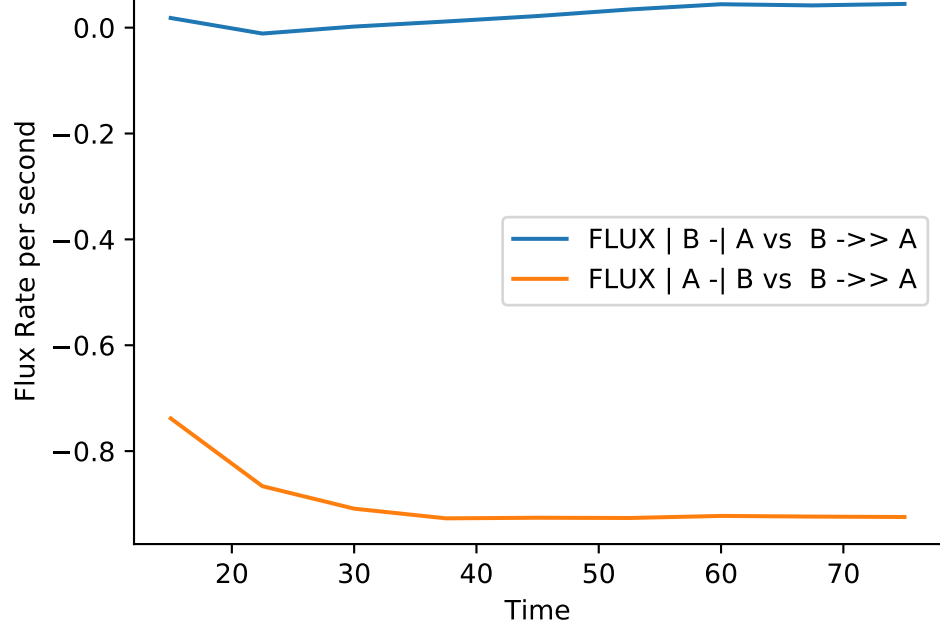
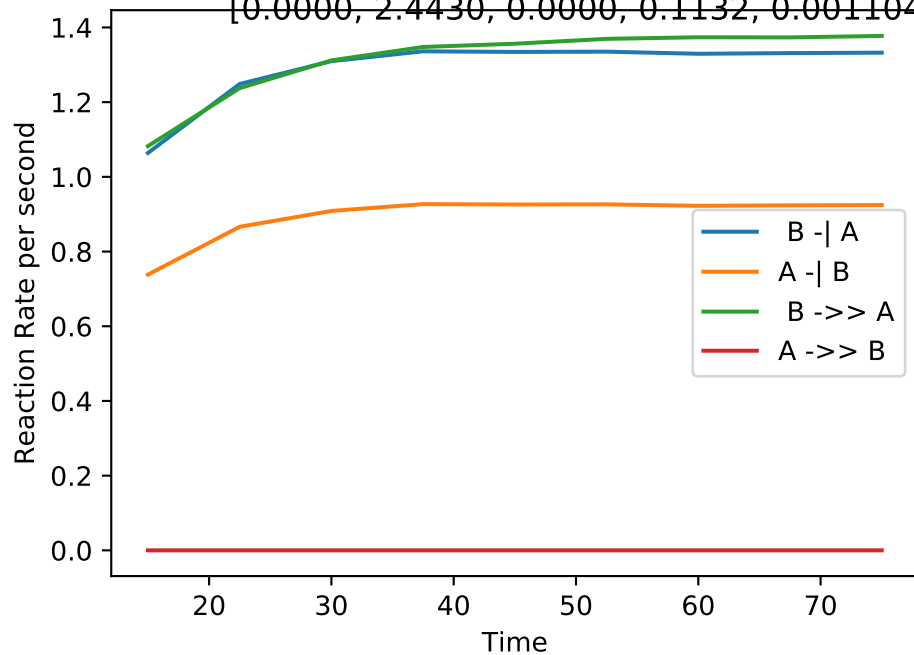
Single_up | MB-LLS Single_up(#165):

[0.0009, 2.4545, 0.0407, 0.0989, 0.001807, 0.0007775, 0.0530, 0.0461, 0.0599, 0.0000]



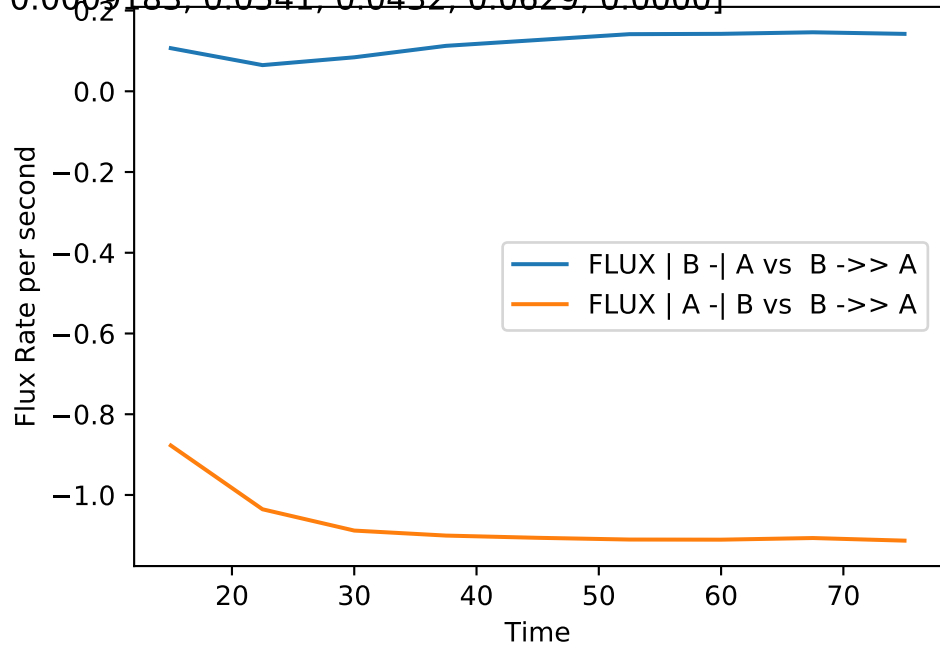
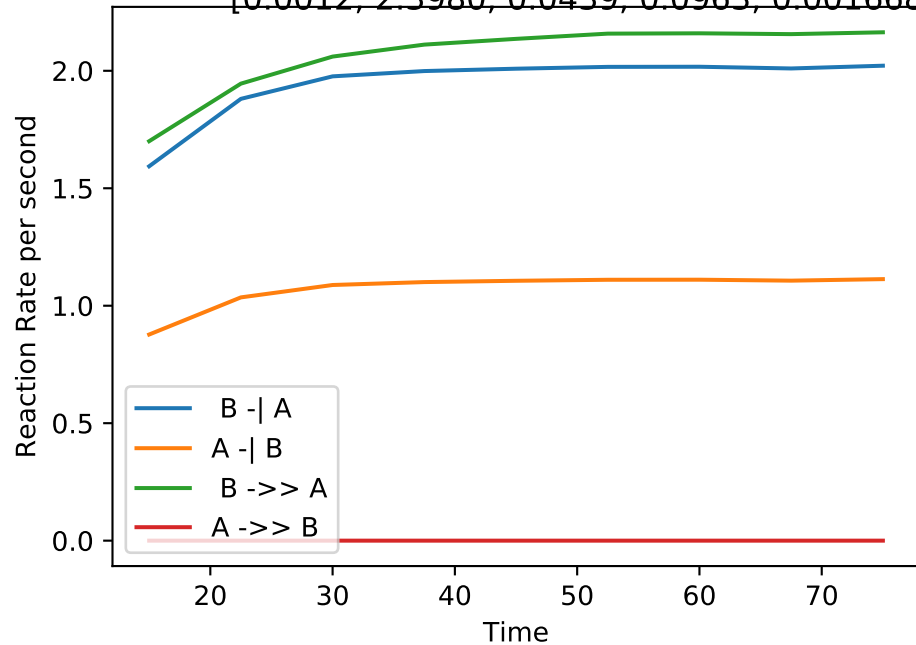
Single_up | MB-LLS Single_up(#166):

[0.0000, 2.4430, 0.0000, 0.1132, 0.001104, 0.0007659, 0.0344, 0.0022, 0.0737, 0.0000]



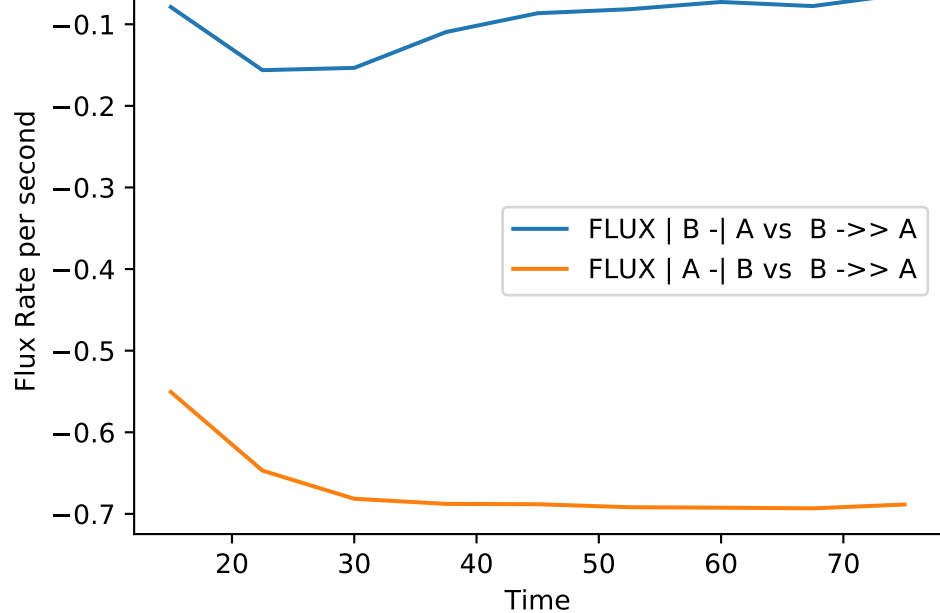
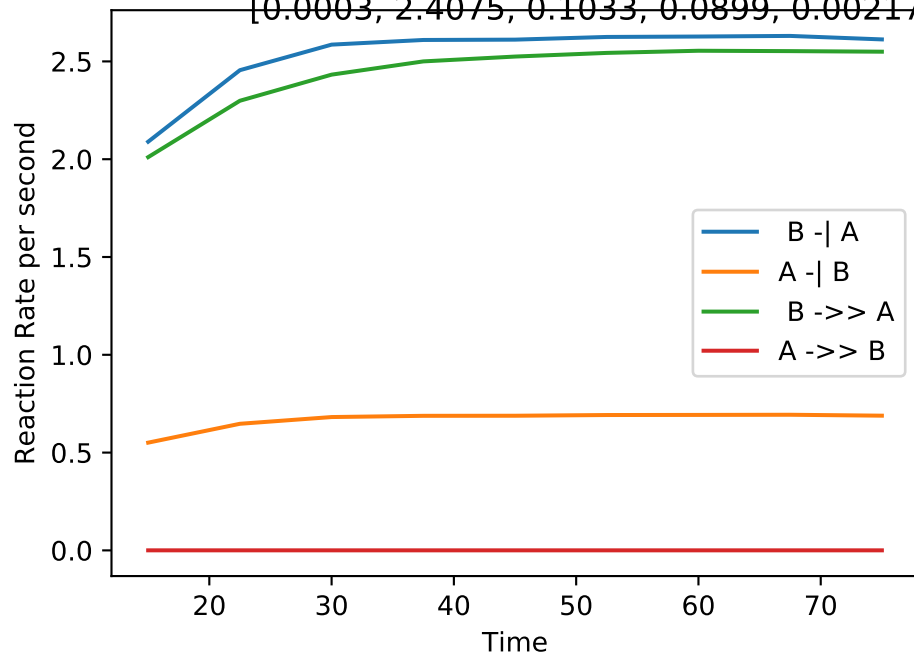
Single_up | MB-LLS Single_up(#167):

[0.0012, 2.3980, 0.0439, 0.0963, 0.001668, 0.0009183, 0.0541, 0.0432, 0.0629, 0.0000]



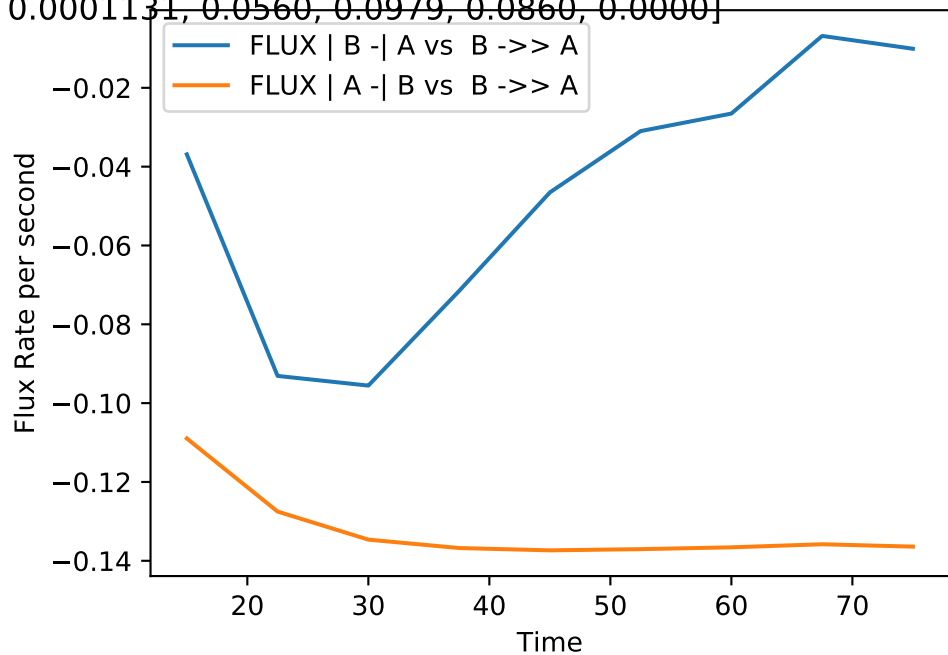
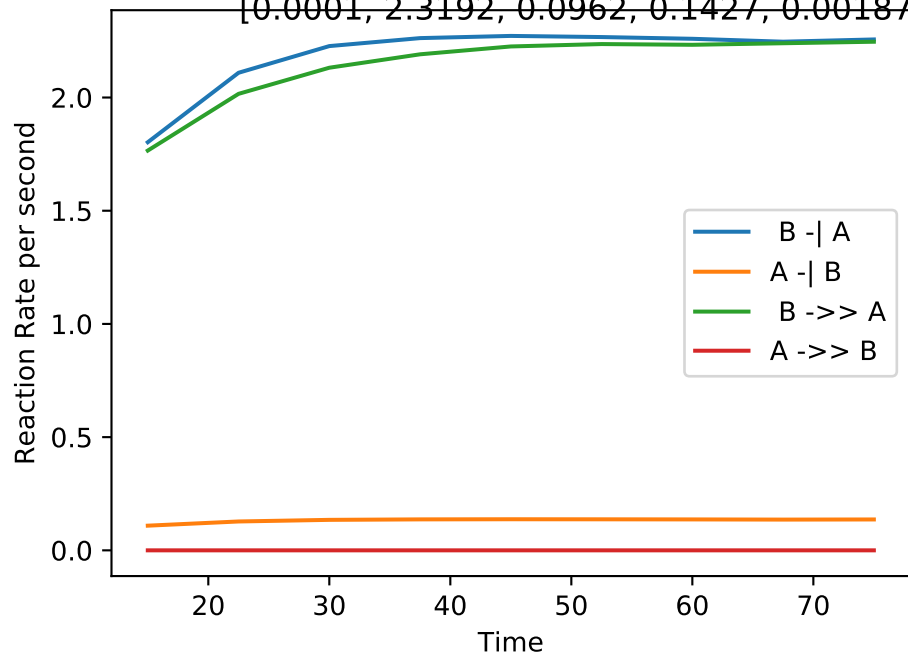
Single_up | MB-LLS Single_up(#168):

[0.0003, 2.4075, 0.1033, 0.0899, 0.00217, 0.000572, 0.0639, 0.1069, 0.0467, 0.0000]



Single_up | MB-LLS Single_up(#169):

[0.0001, 2.3192, 0.0962, 0.1427, 0.00187, 0.0001131, 0.0560, 0.0979, 0.0860, 0.0000]



Single_up | MB-LLS Single_up(#170):

[0.0001, 2.4527, 0.0488, 0.0987, 0.001757, 0.0007455, 0.0524, 0.0528, 0.0589, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

— B -| A
— A -| B
— B ->> A
— A ->> B

20

30

Time

40 50 60 70

Flux Rate per second

0.0
-0.2
-0.4
-0.6
-0.8

— FLUX | B -| A vs B ->> A
— FLUX | A -| B vs B ->> A

20

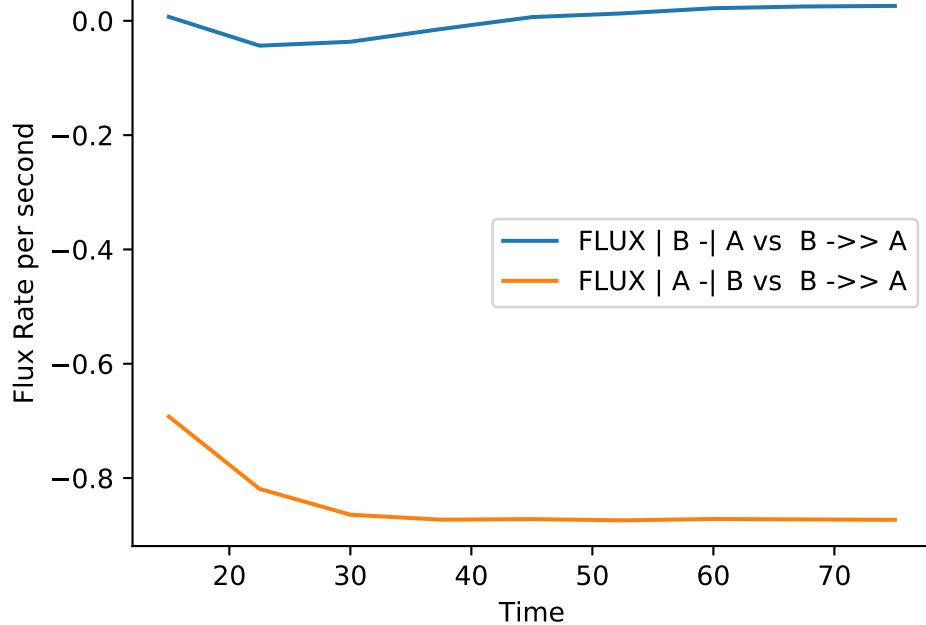
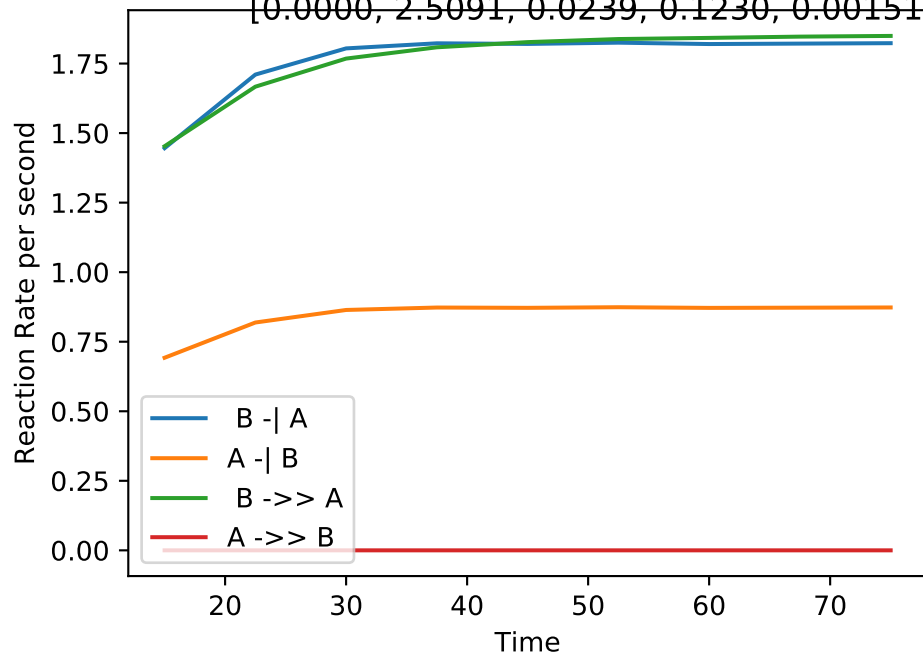
30

Time

40 50 60 70

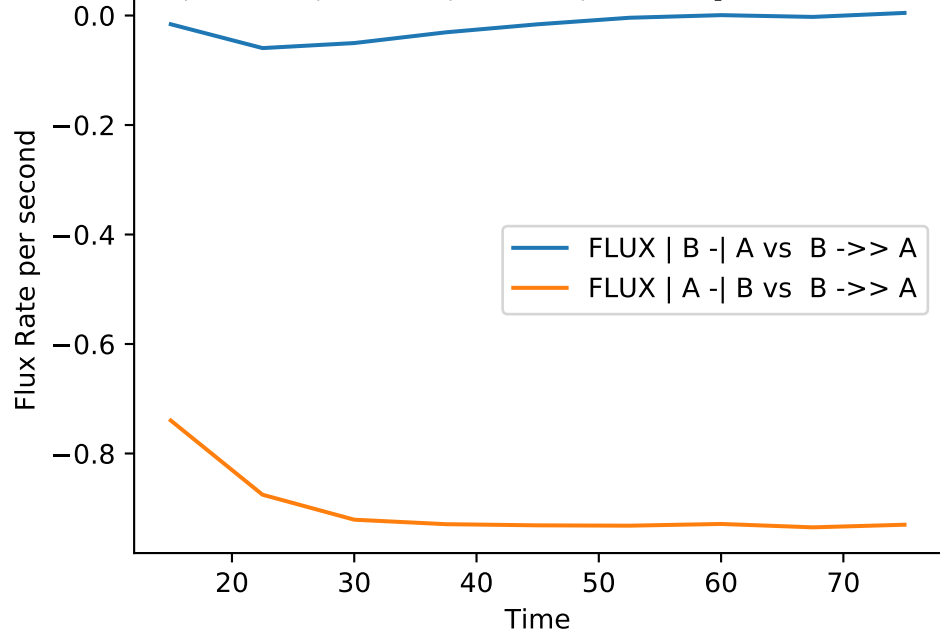
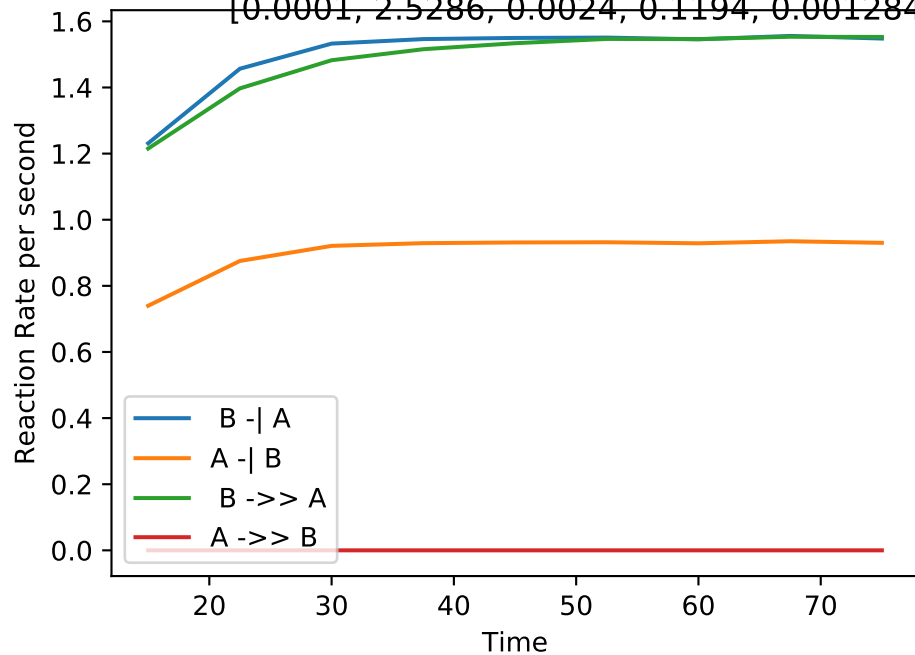
Single_up | MB-LLS Single_up(#171):

[0.0000, 2.5091, 0.0239, 0.1230, 0.00151, 0.000723, 0.0463, 0.0268, 0.0801, 0.0000]



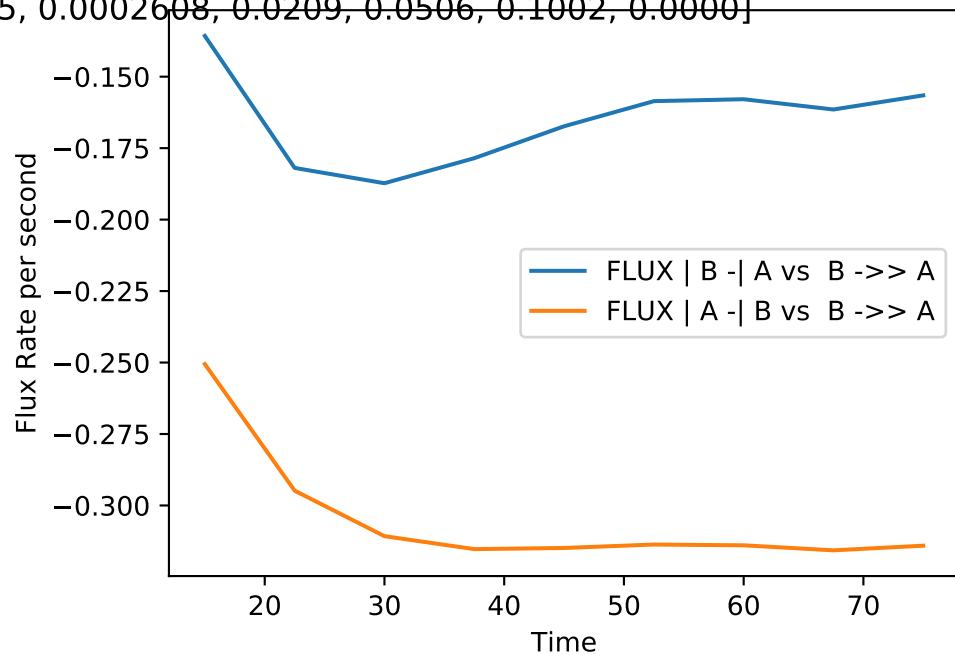
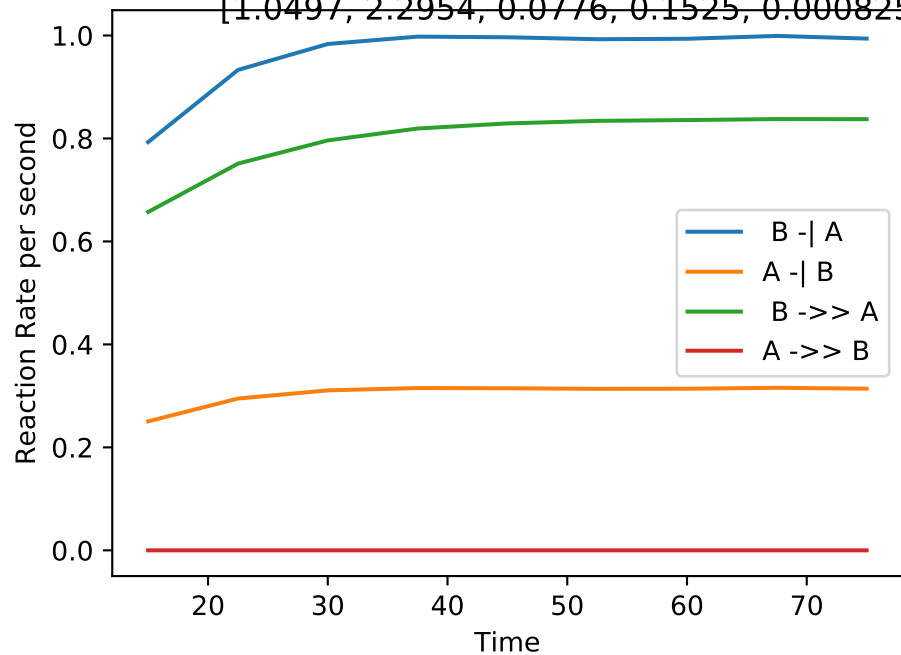
Single_up | MB-LLS Single_up(#172):

[0.0001, 2.5286, 0.0024, 0.1194, 0.001284, 0.0007713, 0.0388, 0.0061, 0.0775, 0.0000]



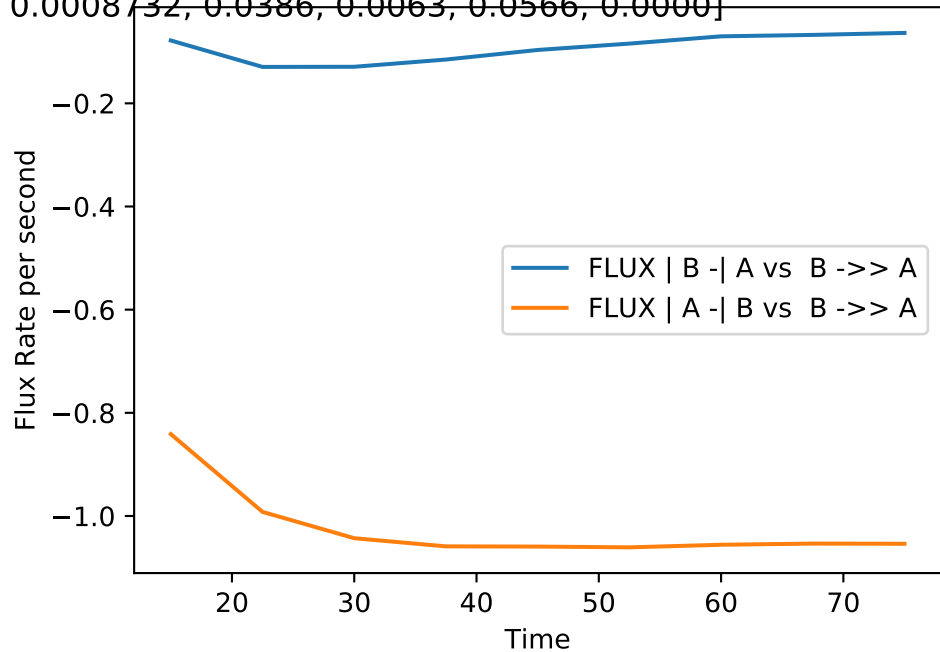
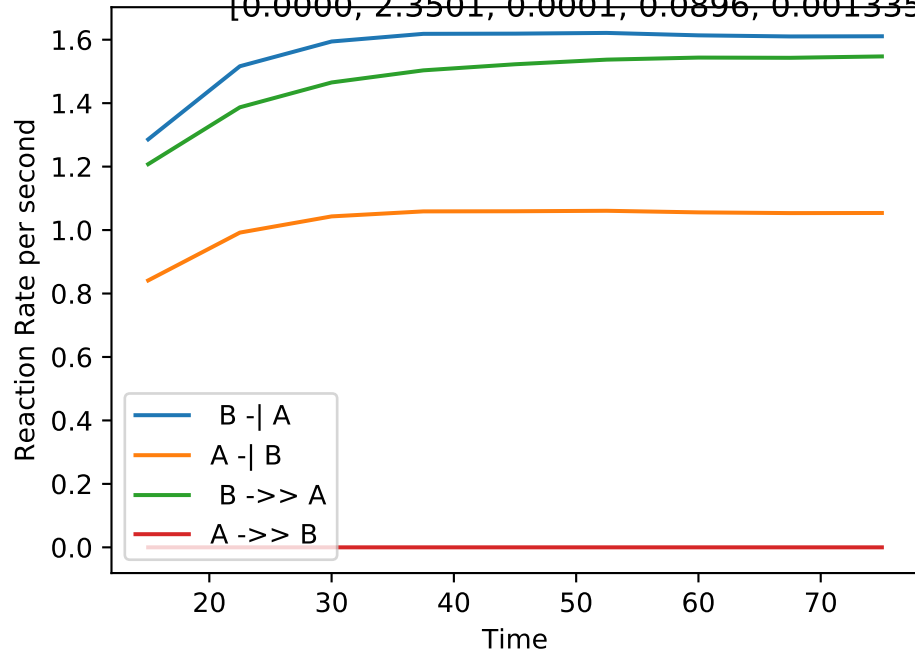
Single_up | MB-LLS Single_up(#173):

[1.0497, 2.2954, 0.0776, 0.1525, 0.0008255, 0.0002608, 0.0209, 0.0506, 0.1002, 0.0000]



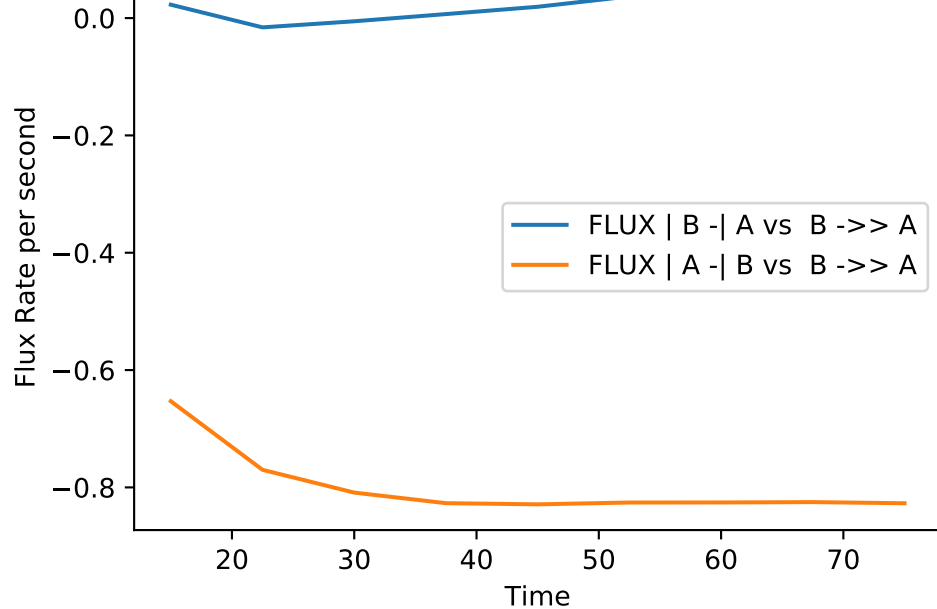
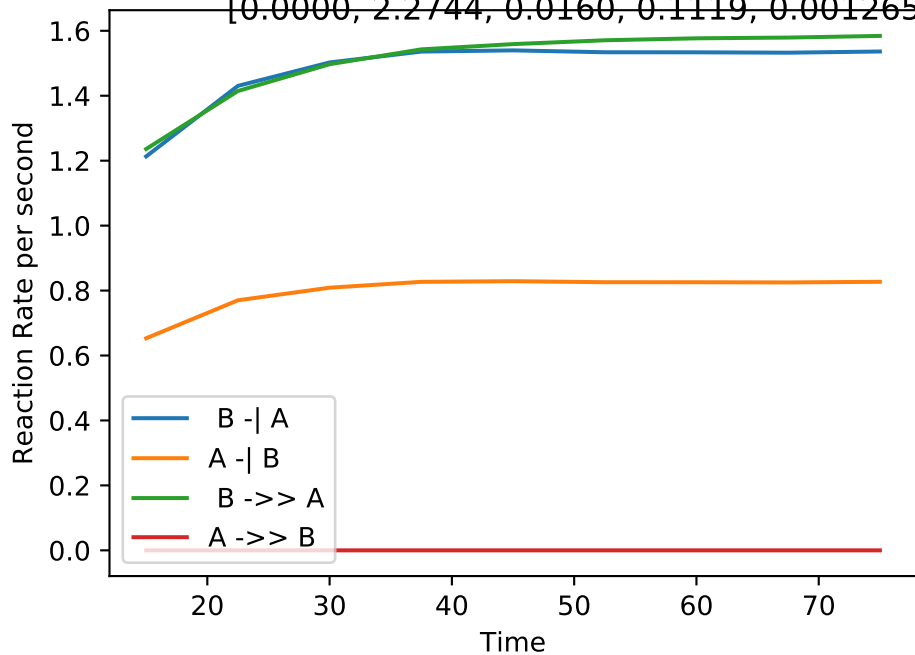
Single_up | MB-LLS Single_up(#174):

[0.0000, 2.3501, 0.0001, 0.0896, 0.001335, 0.0008732, 0.0386, 0.0063, 0.0566, 0.0000]



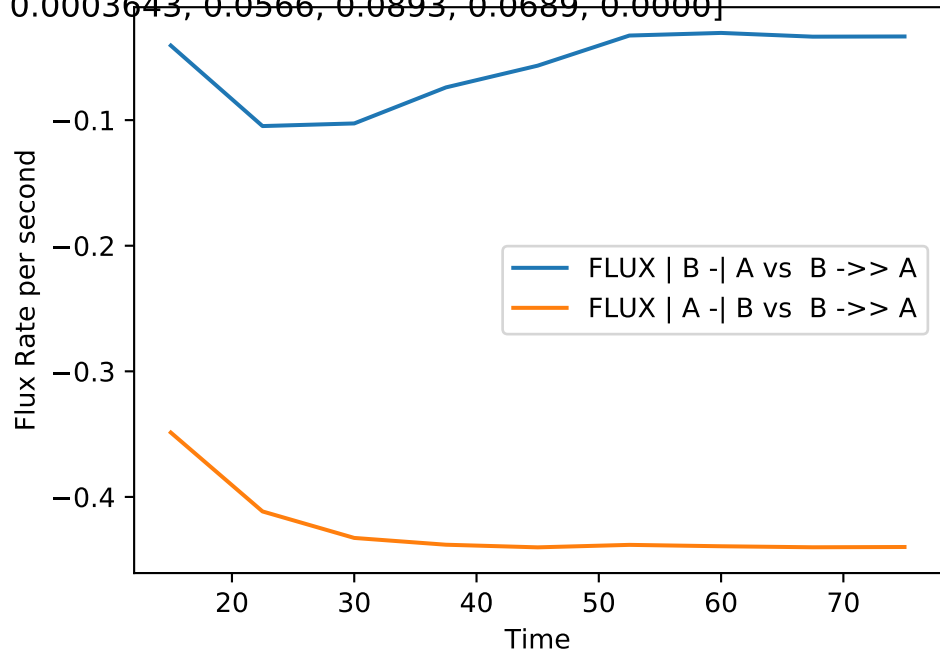
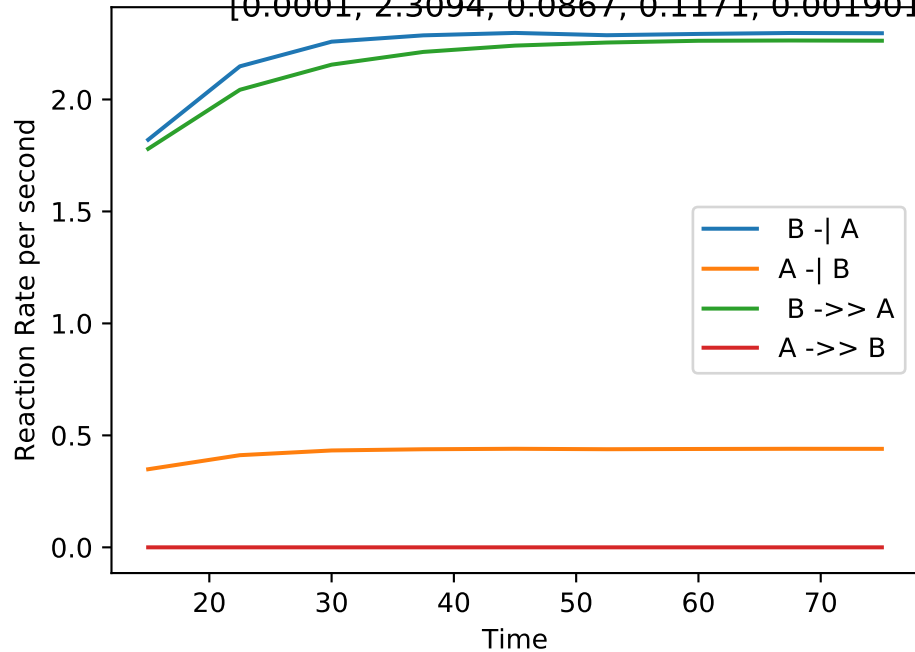
Single_up | MB-LLS Single_up(#175):

[0.0000, 2.2744, 0.0160, 0.1119, 0.001265, 0.0006813, 0.0395, 0.0181, 0.0741, 0.0000]



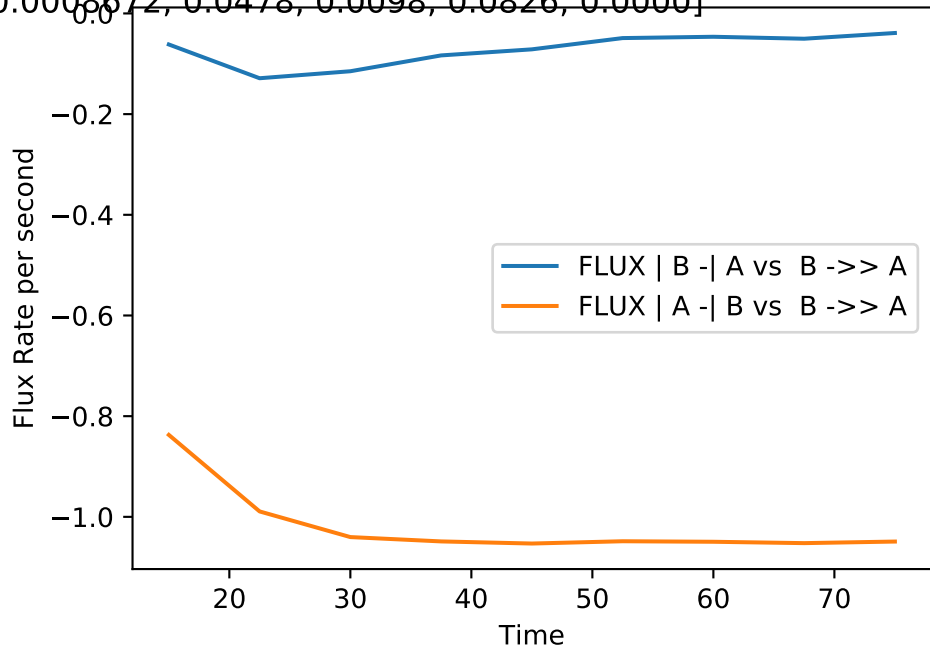
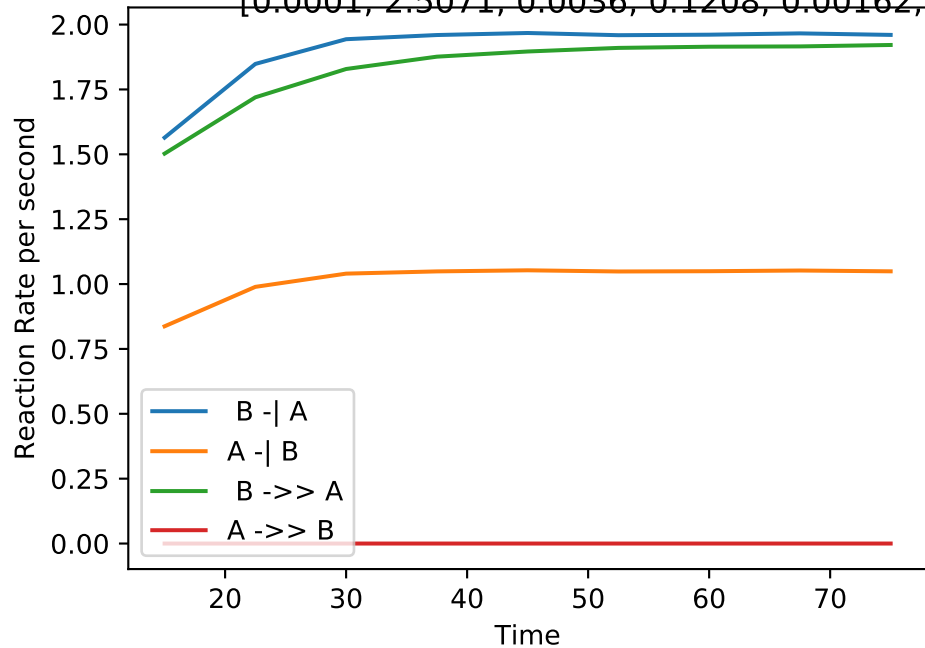
Single_up | MB-LLS Single_up(#176):

[0.0001, 2.3094, 0.0867, 0.1171, 0.001901, 0.0003643, 0.0566, 0.0893, 0.0689, 0.0000]



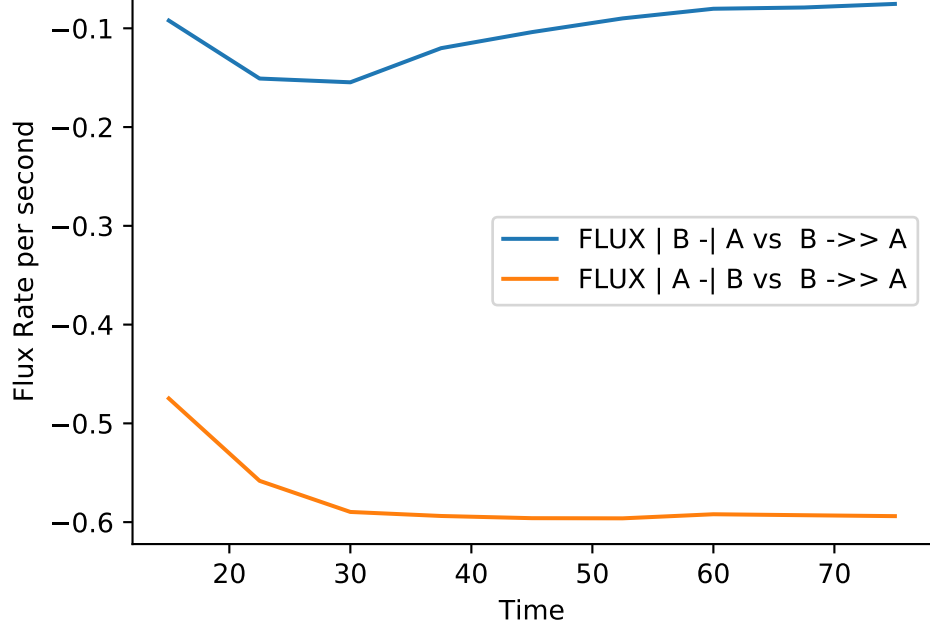
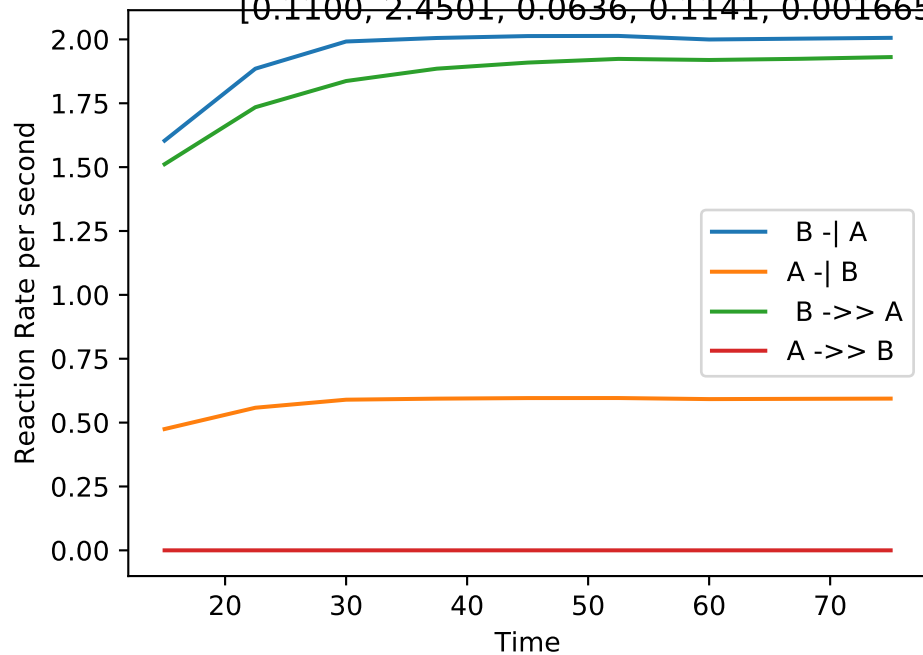
Single_up | MB-LLS Single_up(#177):

[0.0001, 2.5071, 0.0036, 0.1208, 0.00162, 0.0008672, 0.0478, 0.0098, 0.0826, 0.0000]



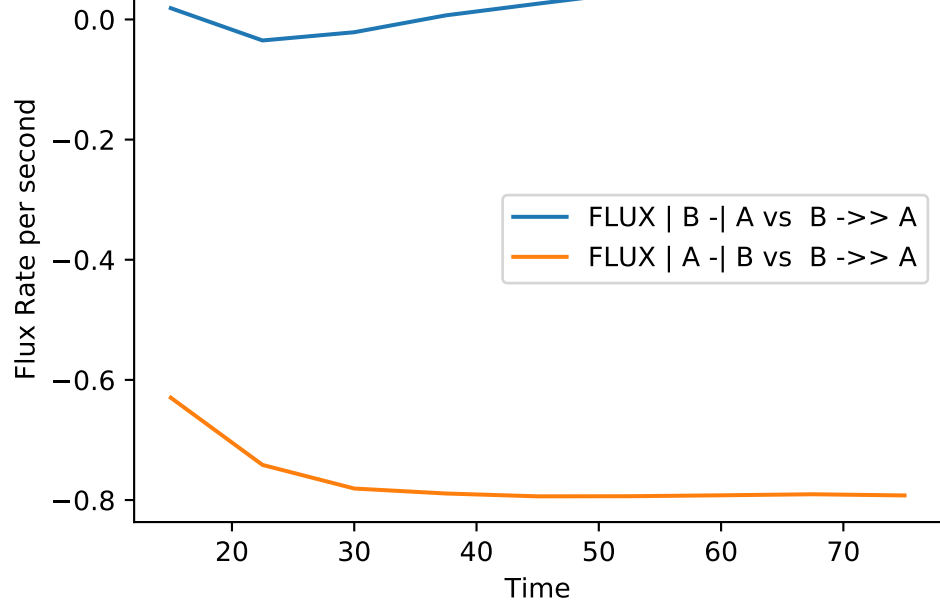
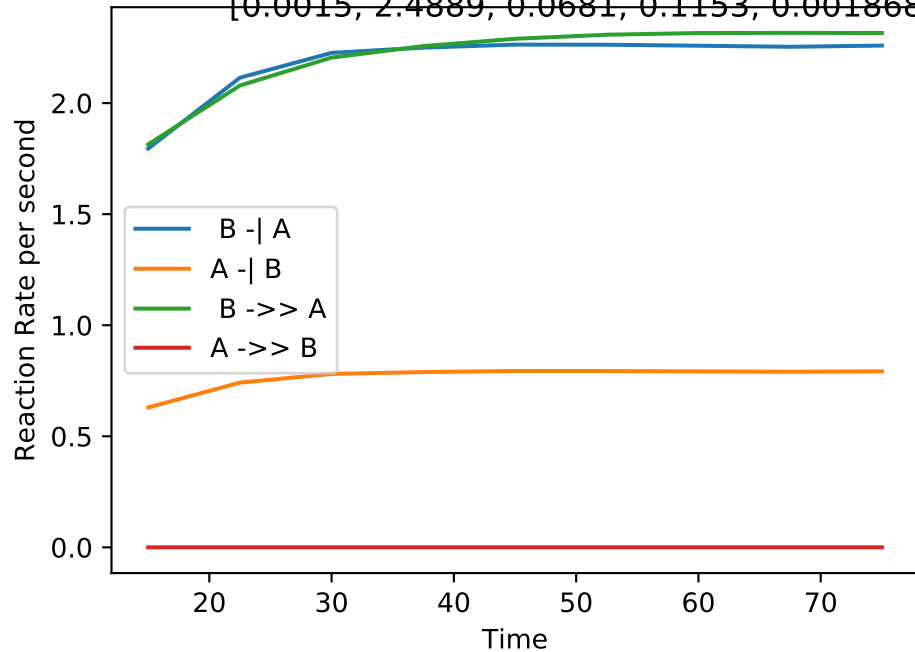
Single_up | MB-LLS Single_up(#178):

[0.1100, 2.4501, 0.0636, 0.1141, 0.001665, 0.000493, 0.0482, 0.0647, 0.0664, 0.0000]



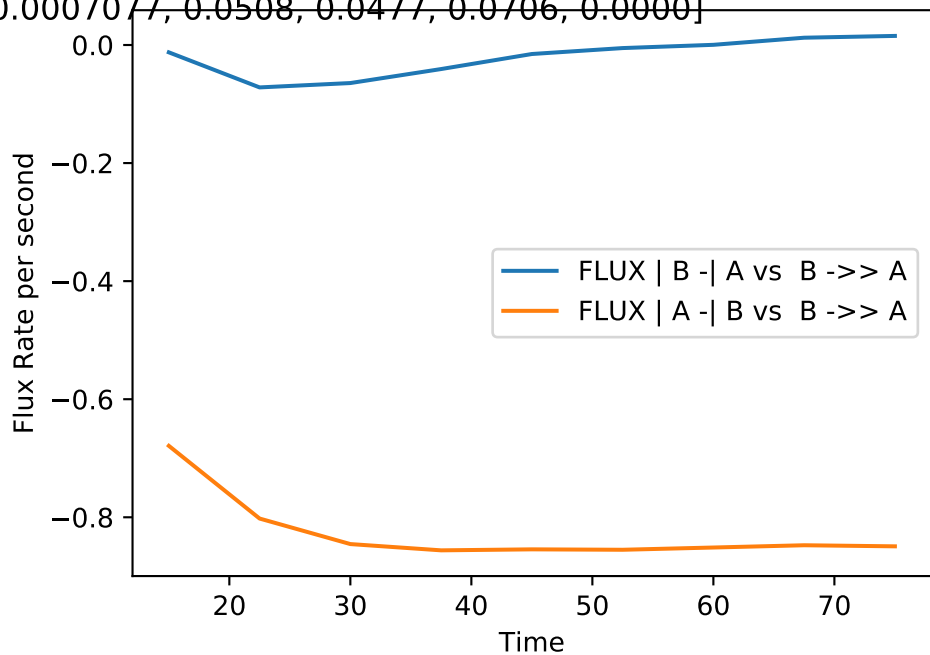
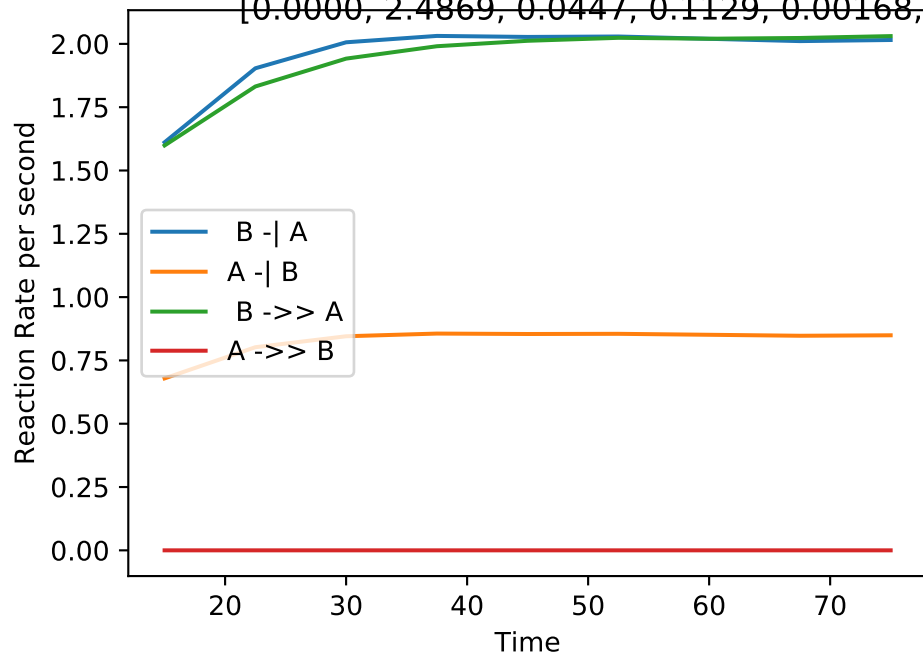
Single_up | MB-LLS Single_up(#179):

[0.0015, 2.4889, 0.0681, 0.1153, 0.001868, 0.0006551, 0.0579, 0.0693, 0.0714, 0.0000]



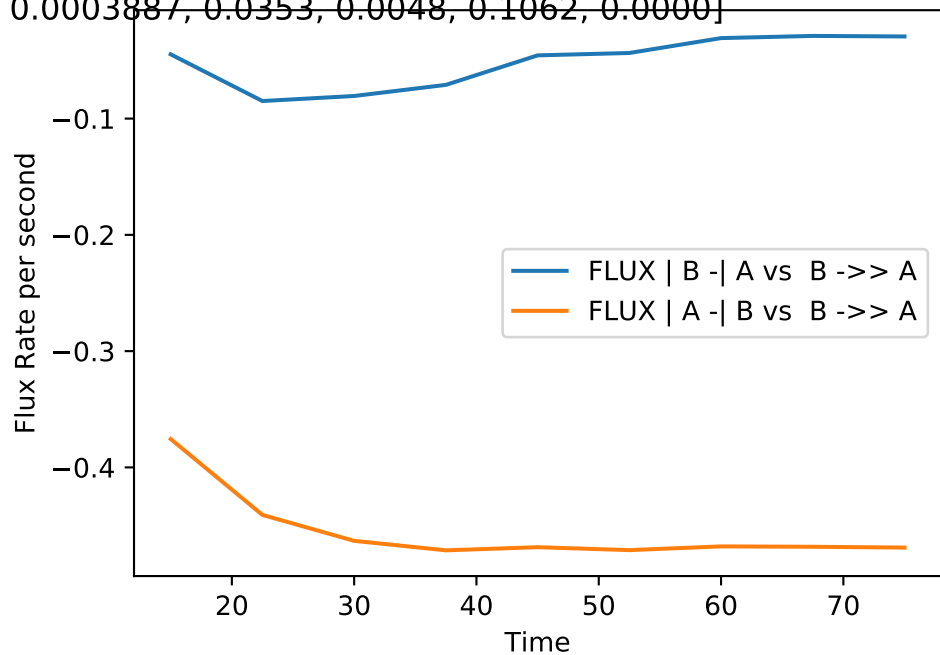
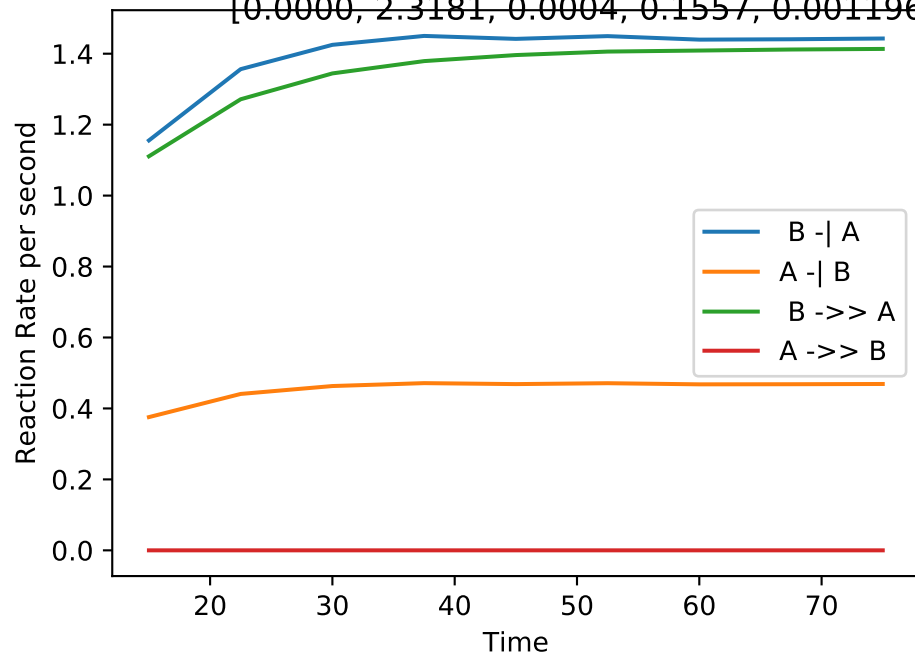
Single_up | MB-LLS Single_up(#180):

[0.0000, 2.4869, 0.0447, 0.1129, 0.00168, 0.0007077, 0.0508, 0.0477, 0.0706, 0.0000]



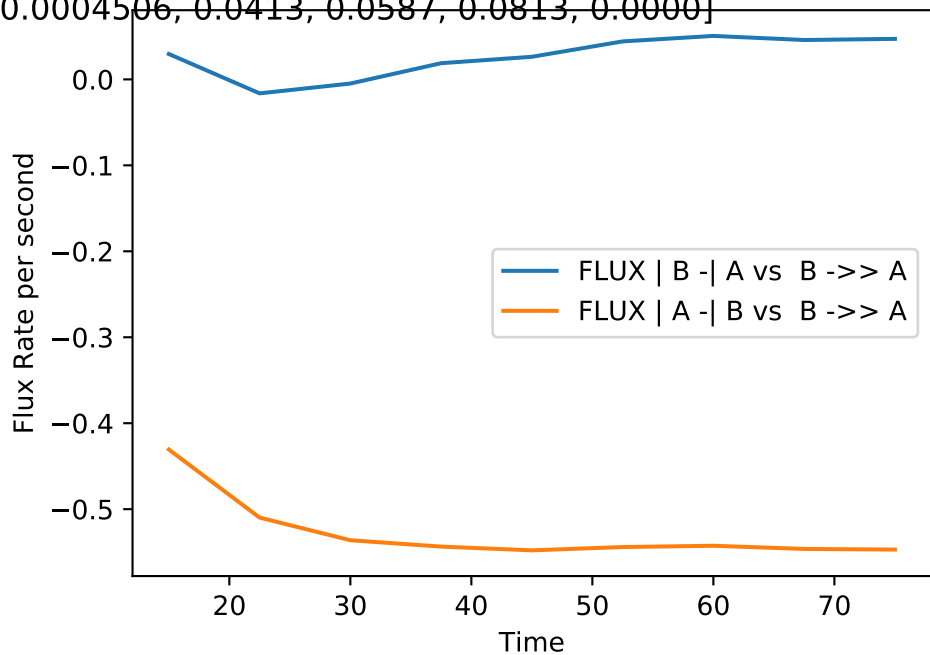
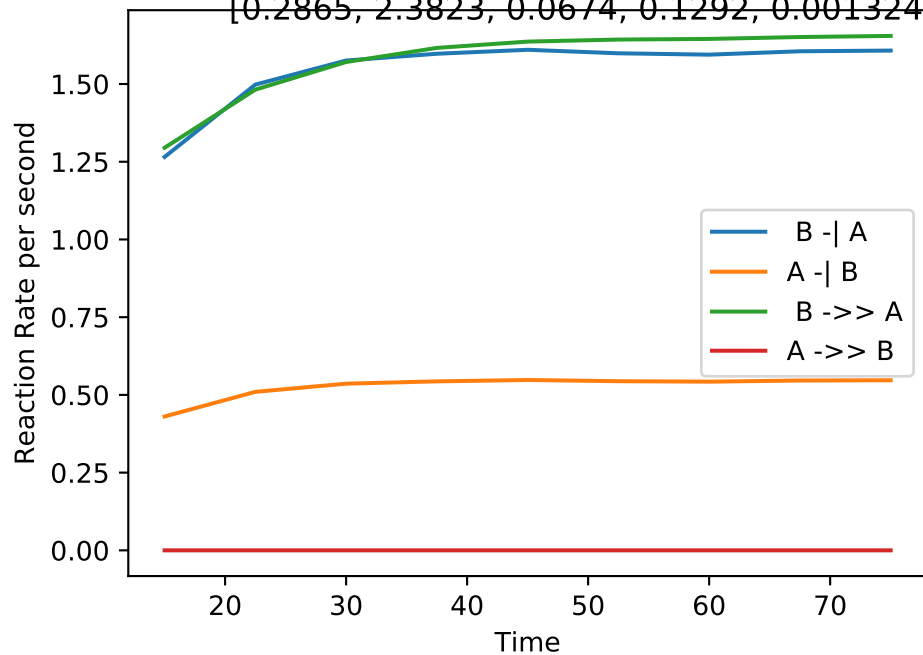
Single_up | MB-LLS Single_up(#181):

[0.0000, 2.3181, 0.0004, 0.1557, 0.001196, 0.0003887, 0.0353, 0.0048, 0.1062, 0.0000]



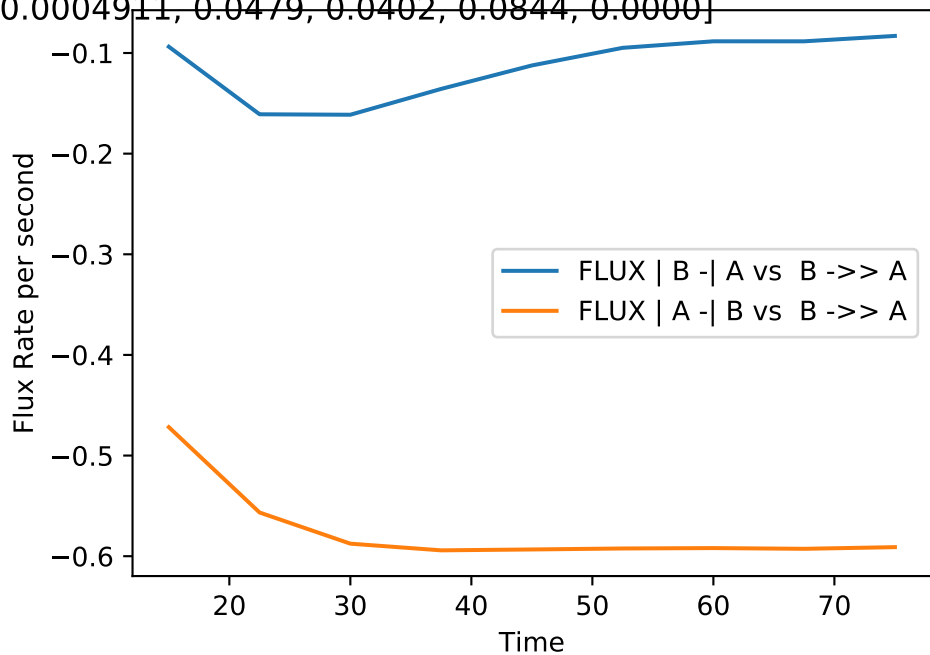
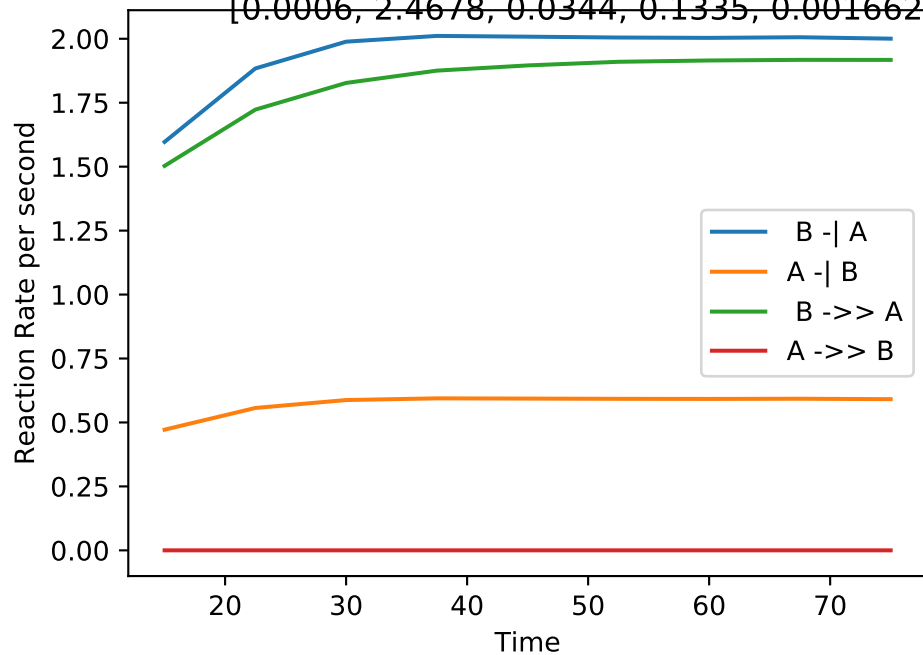
Single_up | MB-LLS Single_up(#182):

[0.2865, 2.3823, 0.0674, 0.1292, 0.001324, 0.0004506, 0.0413, 0.0587, 0.0813, 0.0000]



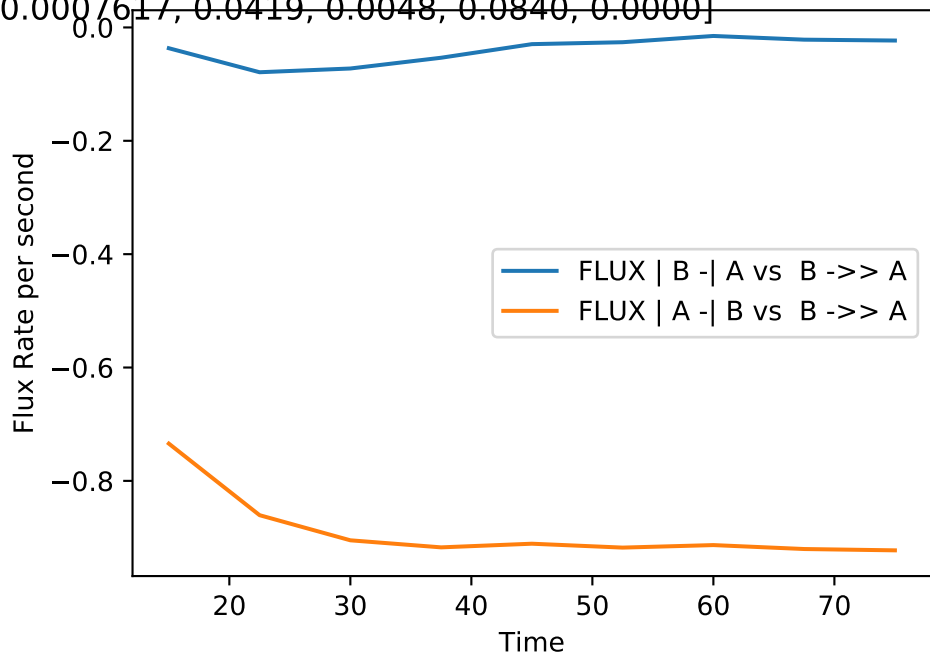
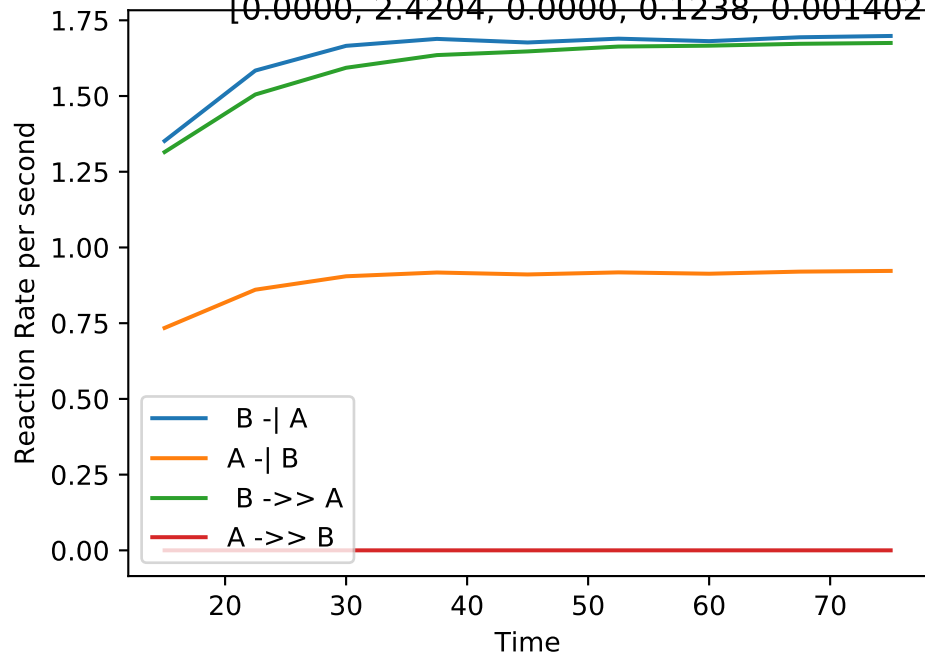
Single_up | MB-LLS Single_up(#183):

[0.0006, 2.4678, 0.0344, 0.1335, 0.001662, 0.0004911, 0.0479, 0.0402, 0.0844, 0.0000]



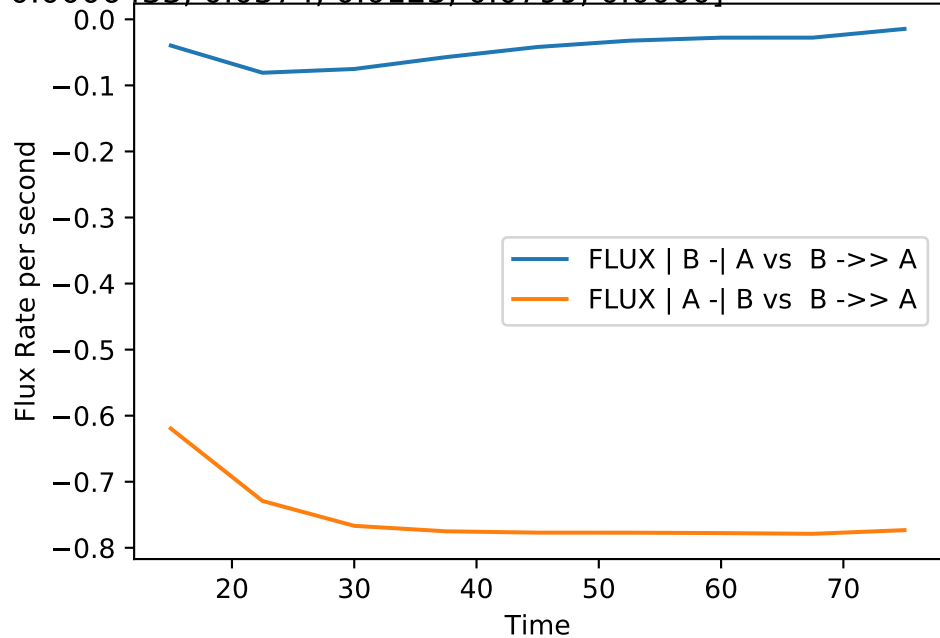
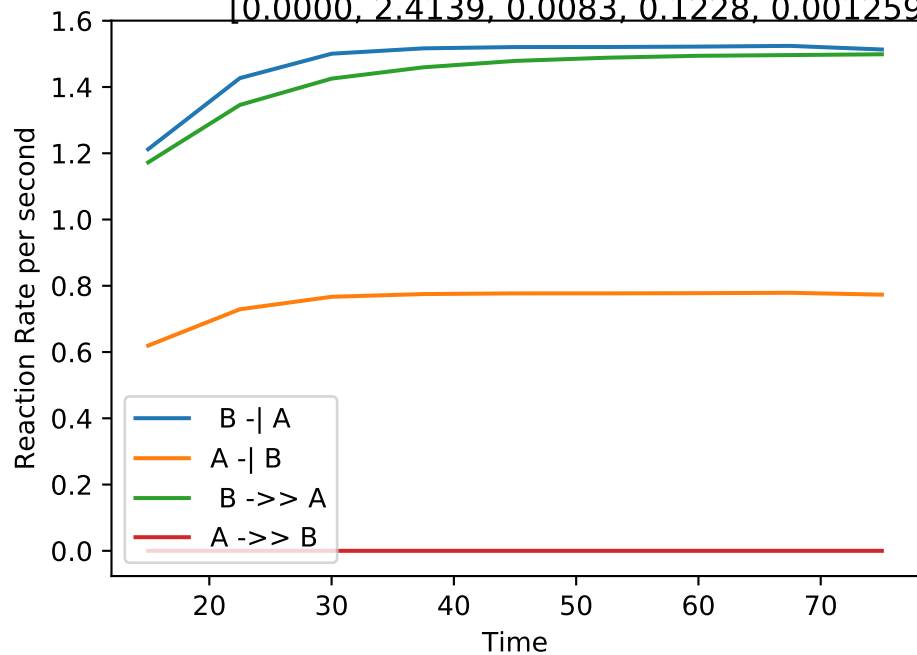
Single_up | MB-LLS Single_up(#184):

[0.0000, 2.4204, 0.0000, 0.1238, 0.001402, 0.0007617, 0.0419, 0.0048, 0.0840, 0.0000]



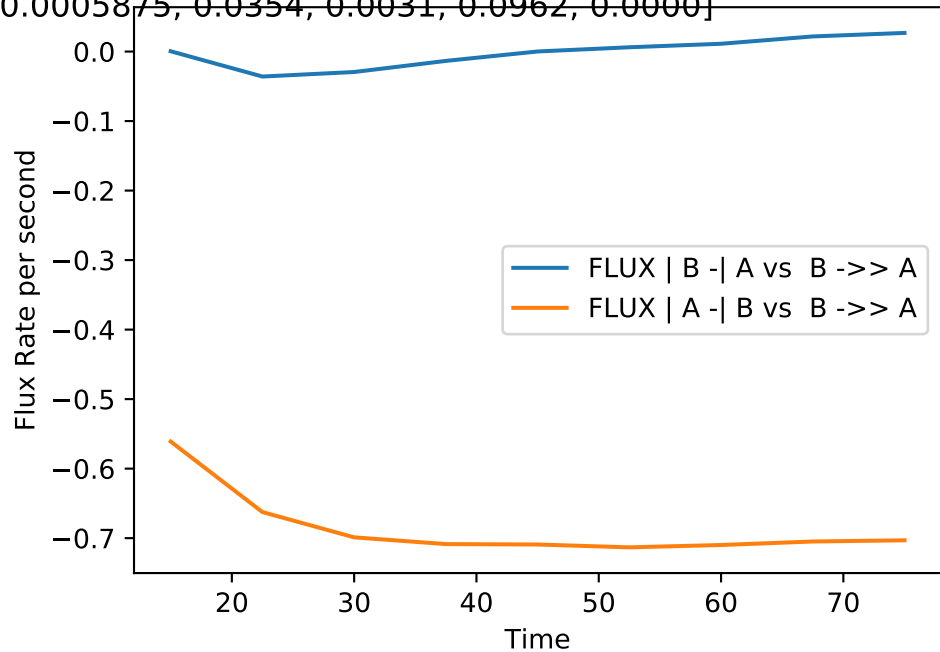
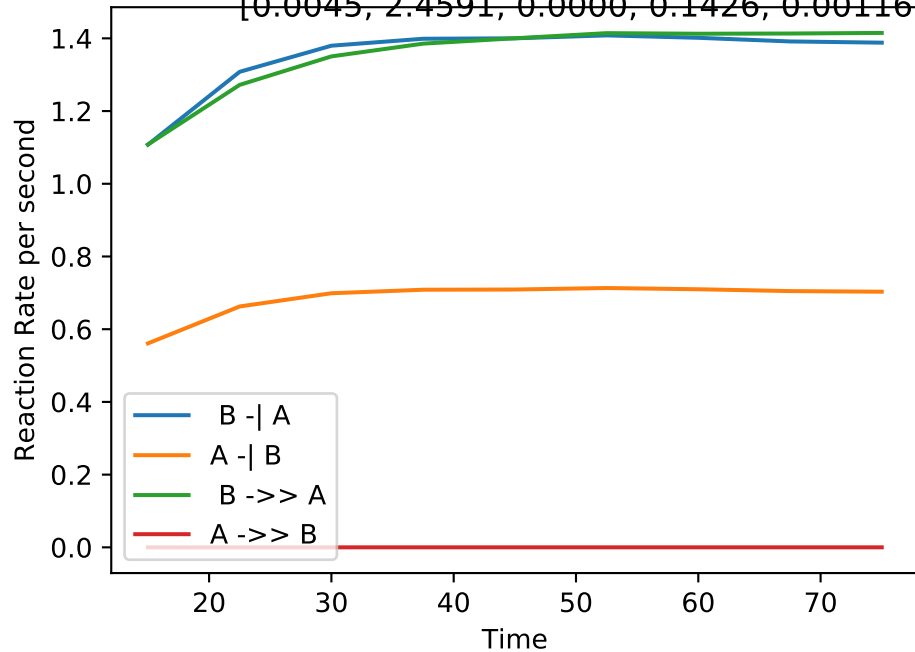
Single_up | MB-LLS Single_up(#185):

[0.0000, 2.4139, 0.0083, 0.1228, 0.001259, 0.0006433, 0.0374, 0.0123, 0.0799, 0.0000]



Single_up | MB-LLS Single_up(#186):

[0.0045, 2.4591, 0.0000, 0.1426, 0.00116, 0.0005875, 0.0354, 0.0031, 0.0962, 0.0000]



Single_up | MB-LLS Single_up(#187):

[0.0008, 2.4237, 0.0404, 0.0937, 0.001699, 0.0008248, 0.0512, 0.0440, 0.0573, 0.0002]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

B -| A
A -| B
B ->> A
A ->> B

20 30 40 50 60 70

Time

Flux Rate per second

0.0
-0.2
-0.4
-0.6
-0.8
-1.0

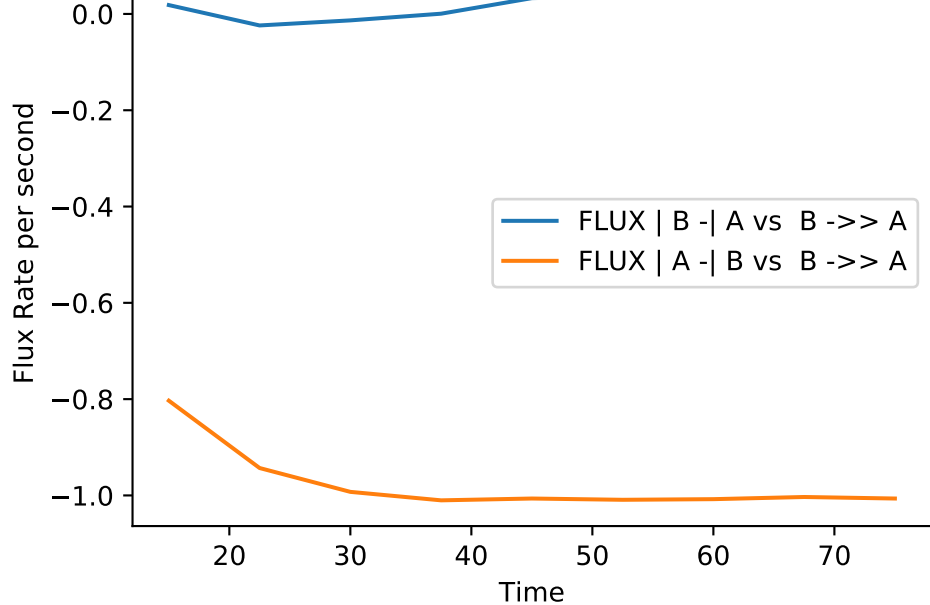
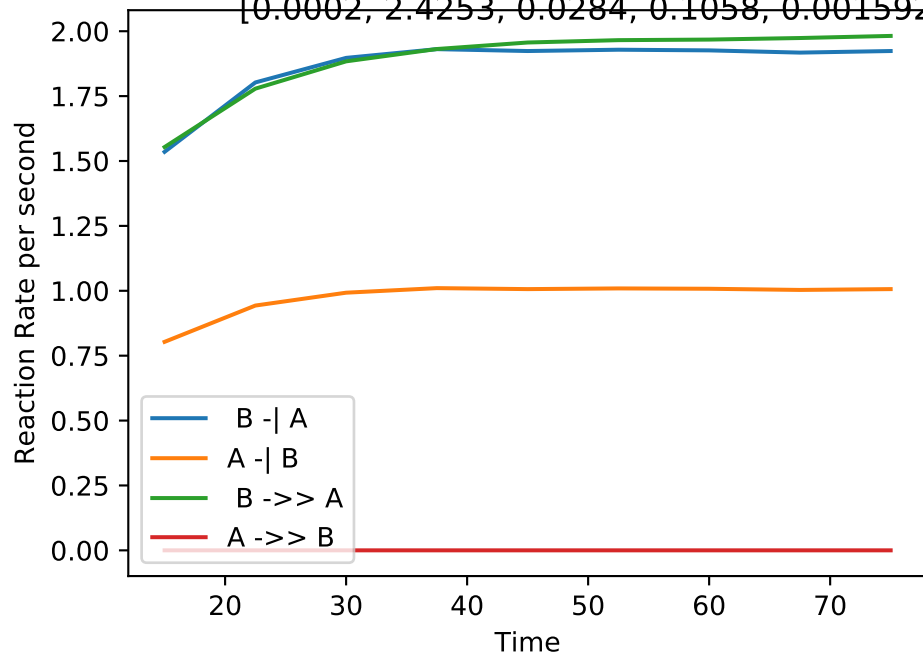
FLUX | B -| A vs B ->> A
FLUX | A -| B vs B ->> A

20 30 40 50 60 70

Time

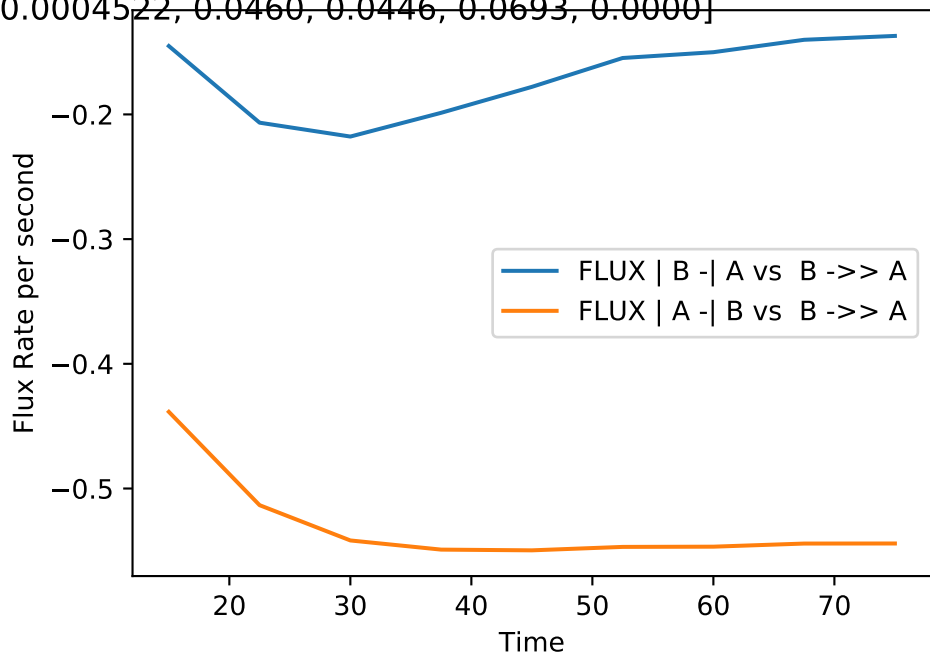
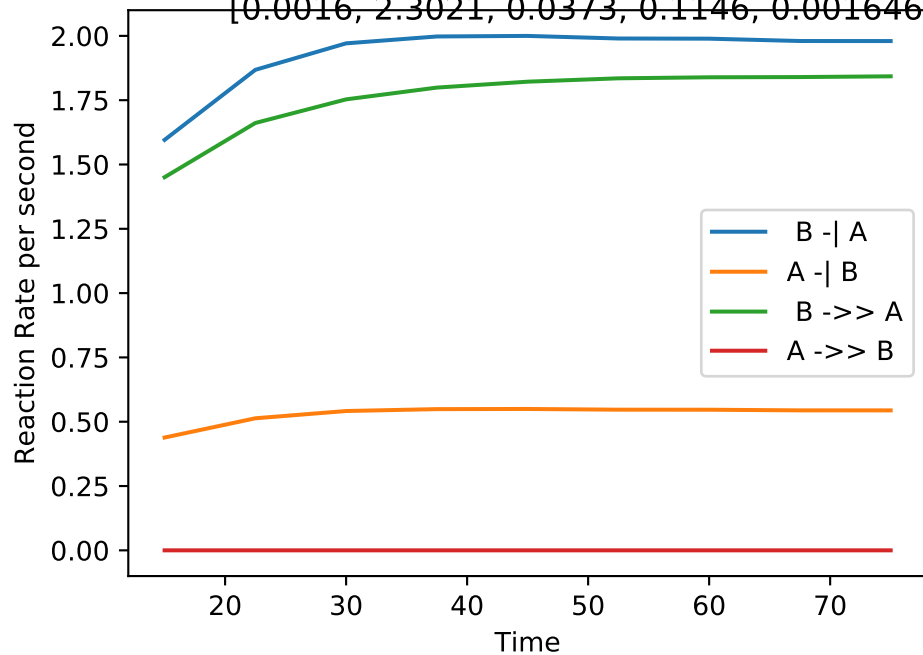
Single_up | MB-LLS Single_up(#188):

[0.0002, 2.4253, 0.0284, 0.1058, 0.001592, 0.000833, 0.0495, 0.0307, 0.0690, 0.0000]



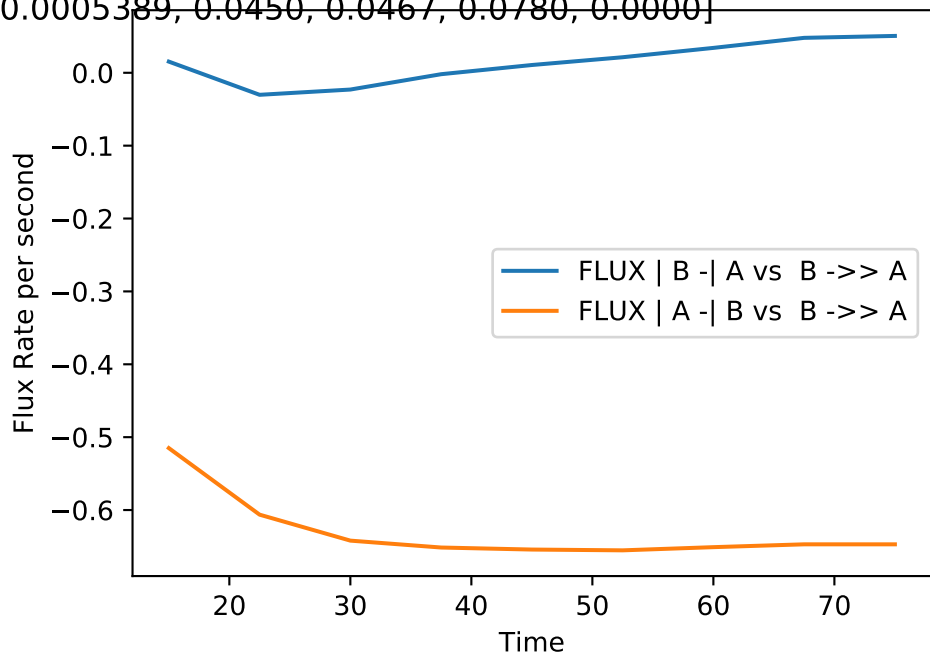
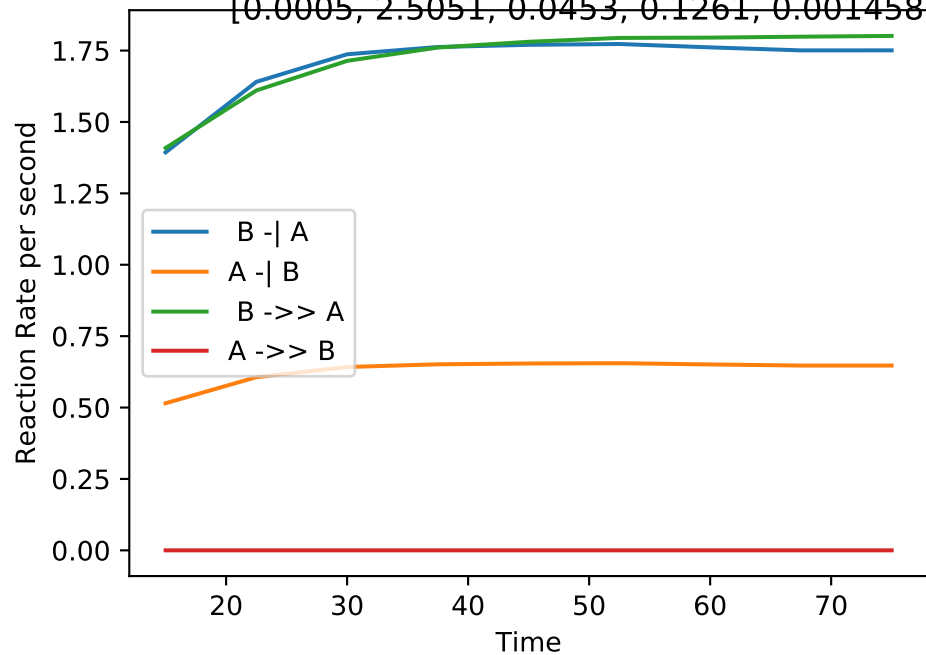
Single_up | MB-LLS Single_up(#189):

[0.0016, 2.3021, 0.0373, 0.1146, 0.001646, 0.0004522, 0.0460, 0.0446, 0.0693, 0.0000]



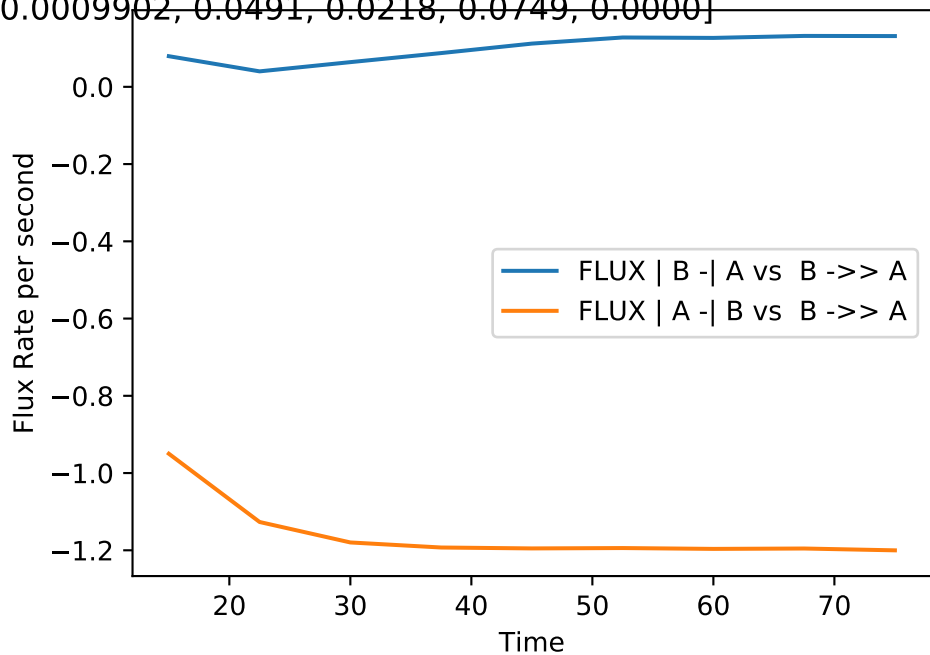
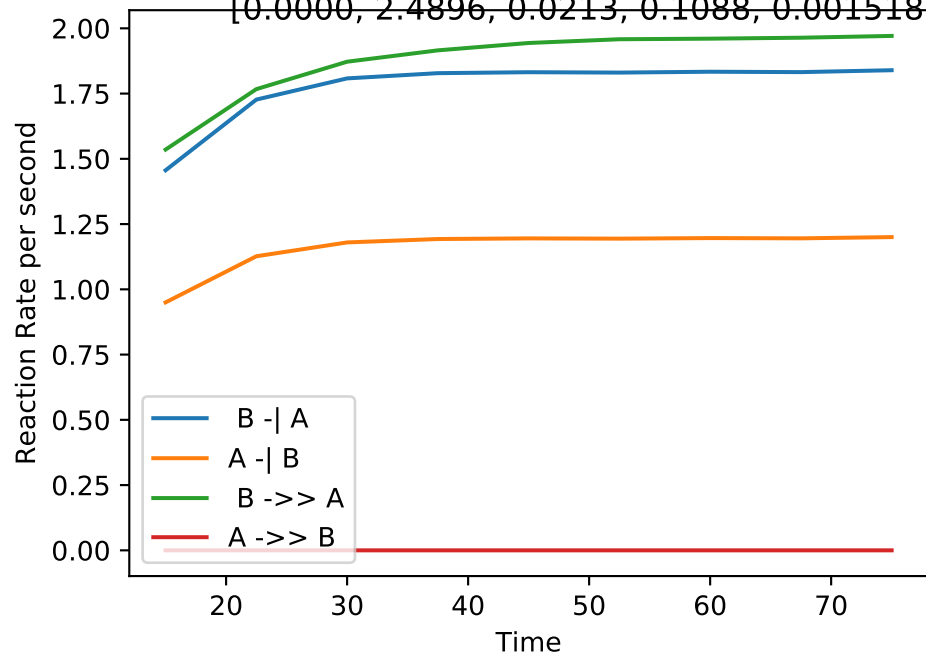
Single_up | MB-LLS Single_up(#190):

[0.0005, 2.5051, 0.0453, 0.1261, 0.001458, 0.0005389, 0.0450, 0.0467, 0.0780, 0.0000]



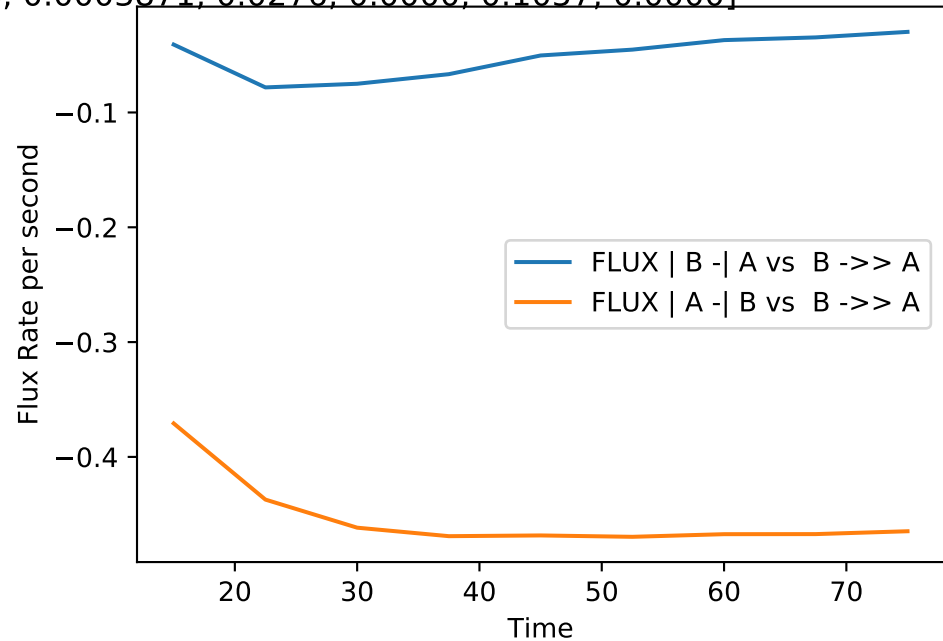
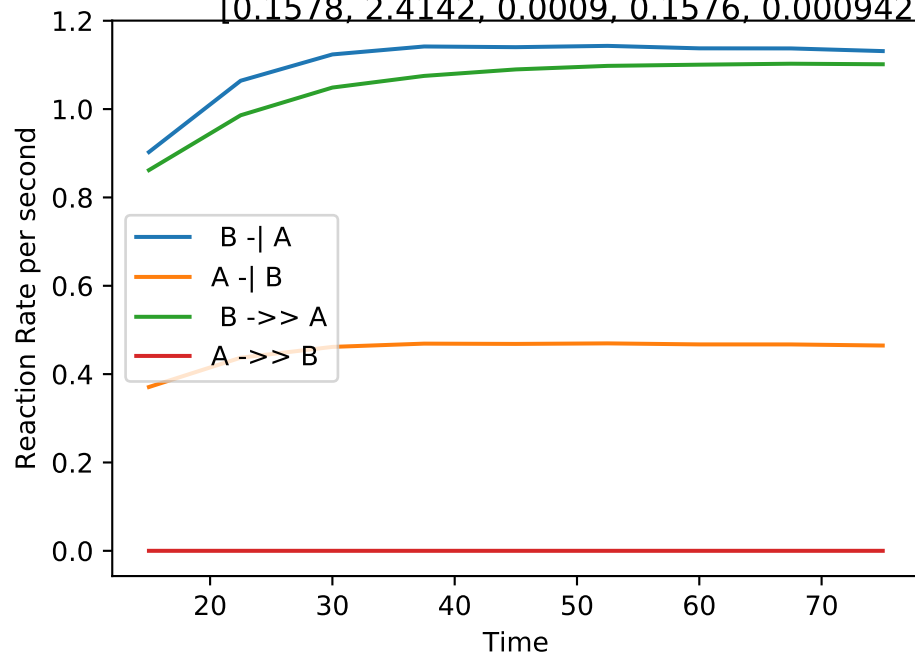
Single_up | MB-LLS Single_up(#191):

[0.0000, 2.4896, 0.0213, 0.1088, 0.001518, 0.0009902, 0.0491, 0.0218, 0.0749, 0.0000]



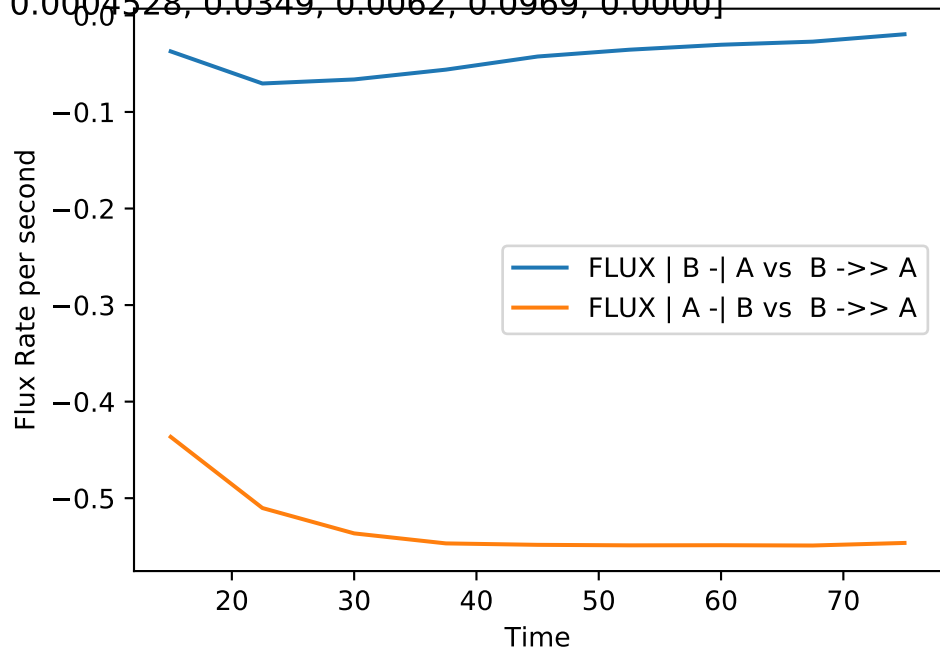
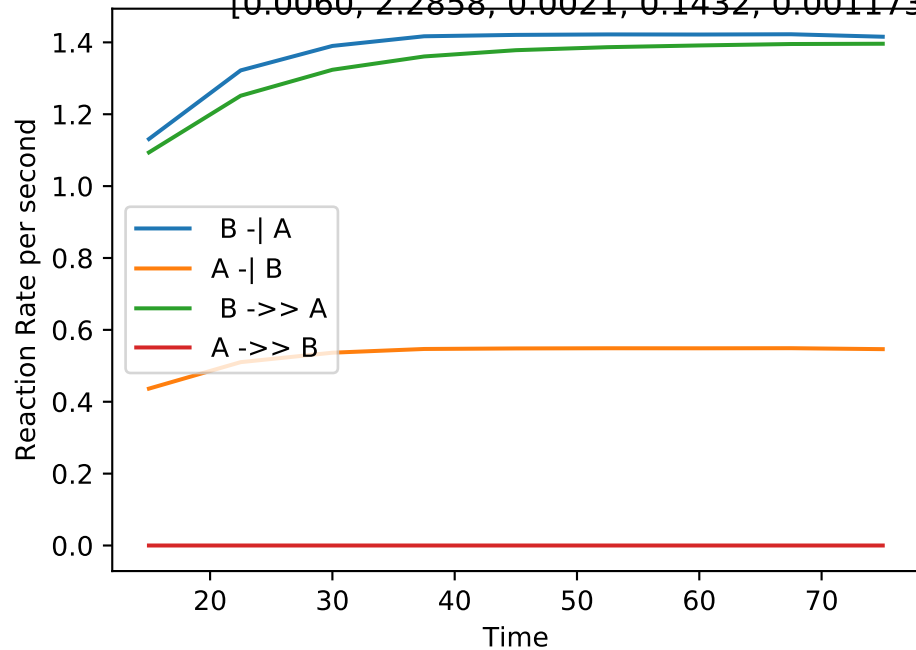
Single_up | MB-LLS Single_up(#192):

[0.1578, 2.4142, 0.0009, 0.1576, 0.0009424, 0.0003871, 0.0276, 0.0000, 0.1057, 0.0000]



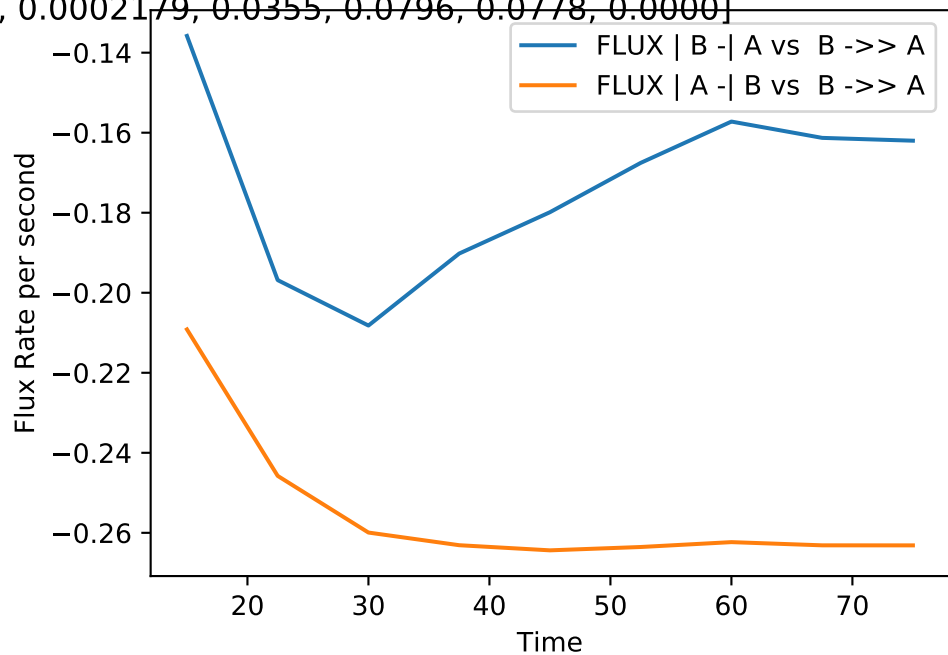
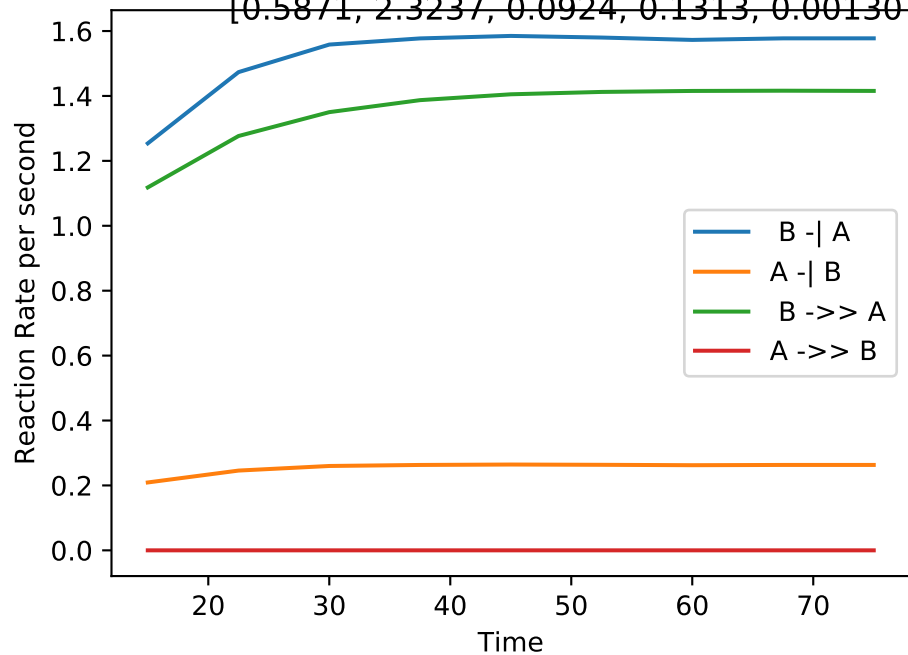
Single_up | MB-LLS Single_up(#193):

[0.0060, 2.2858, 0.0021, 0.1432, 0.001173, 0.0004528, 0.0349, 0.0062, 0.0969, 0.0000]



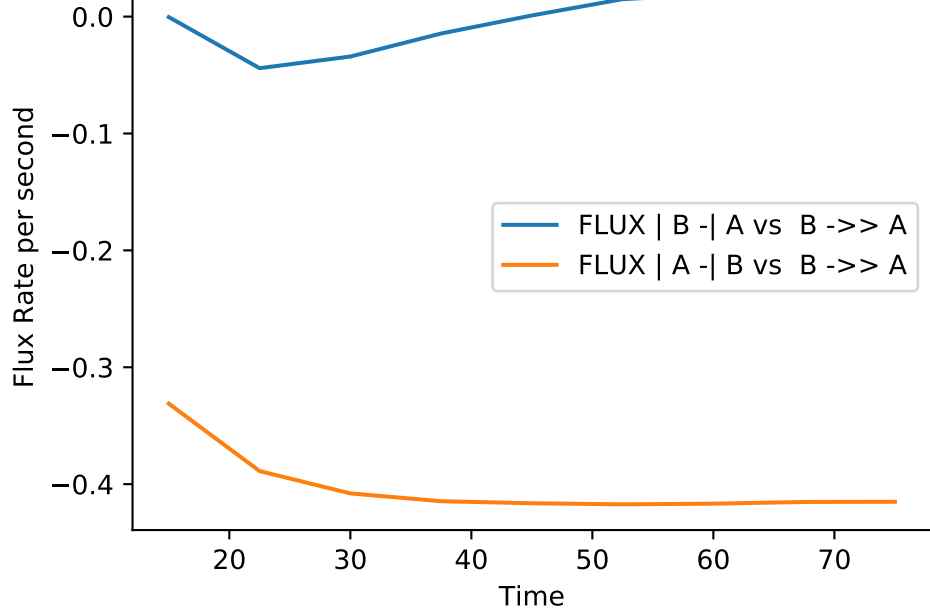
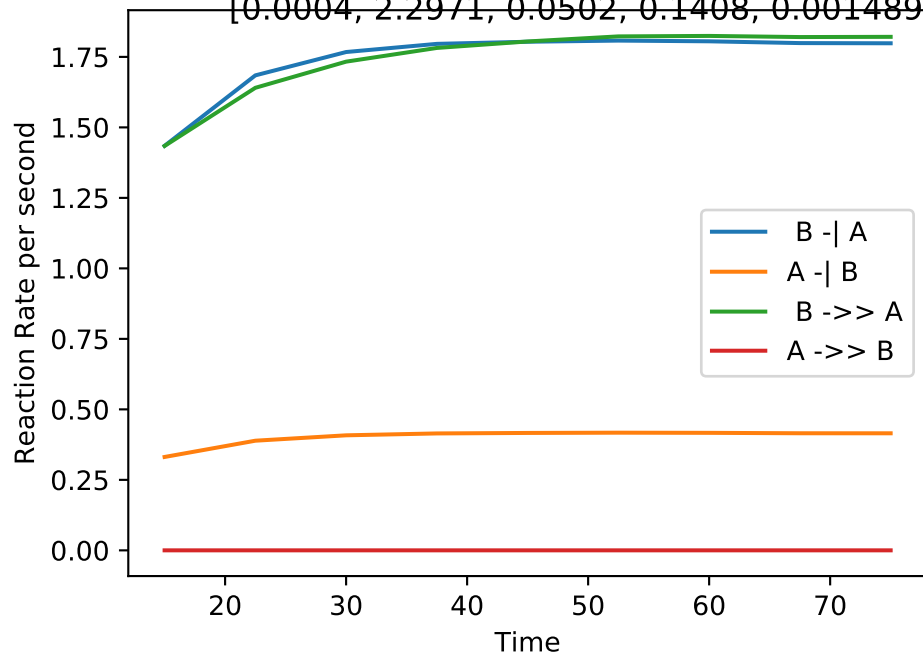
Single_up | MB-LLS Single_up(#194):

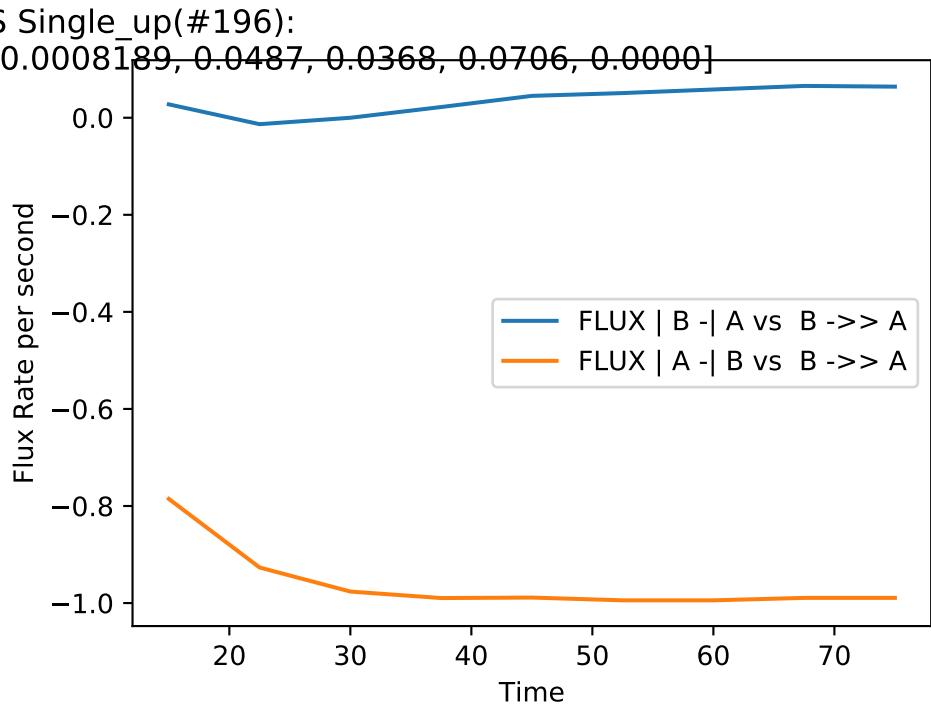
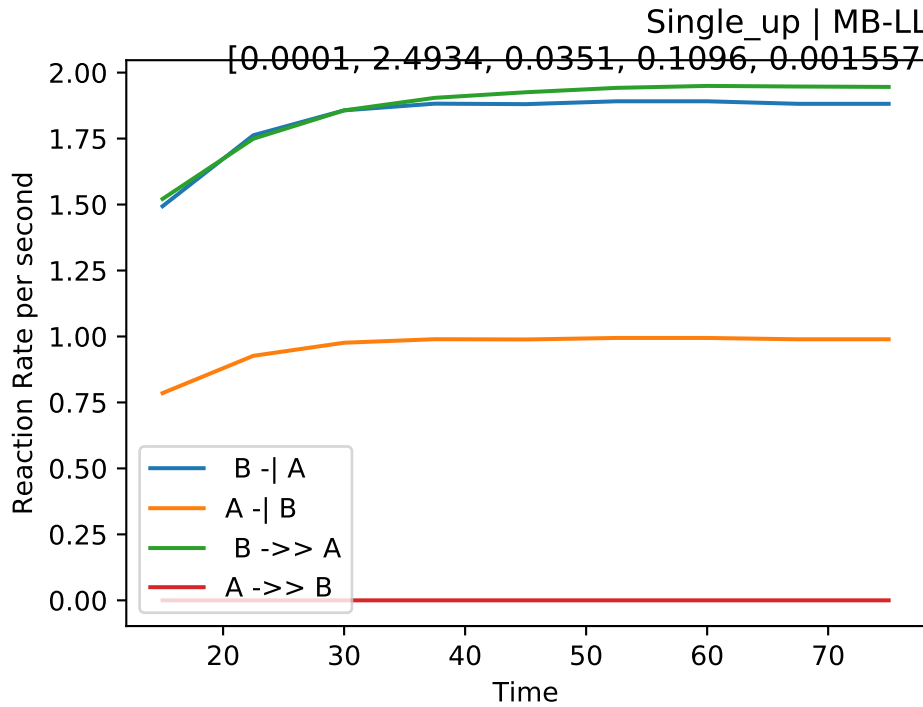
[0.5871, 2.3237, 0.0924, 0.1313, 0.001307, 0.0002179, 0.0355, 0.0796, 0.0778, 0.0000]



Single_up | MB-LLS Single_up(#195):

[0.0004, 2.2971, 0.0502, 0.1408, 0.001489, 0.0003438, 0.0456, 0.0519, 0.0913, 0.0000]

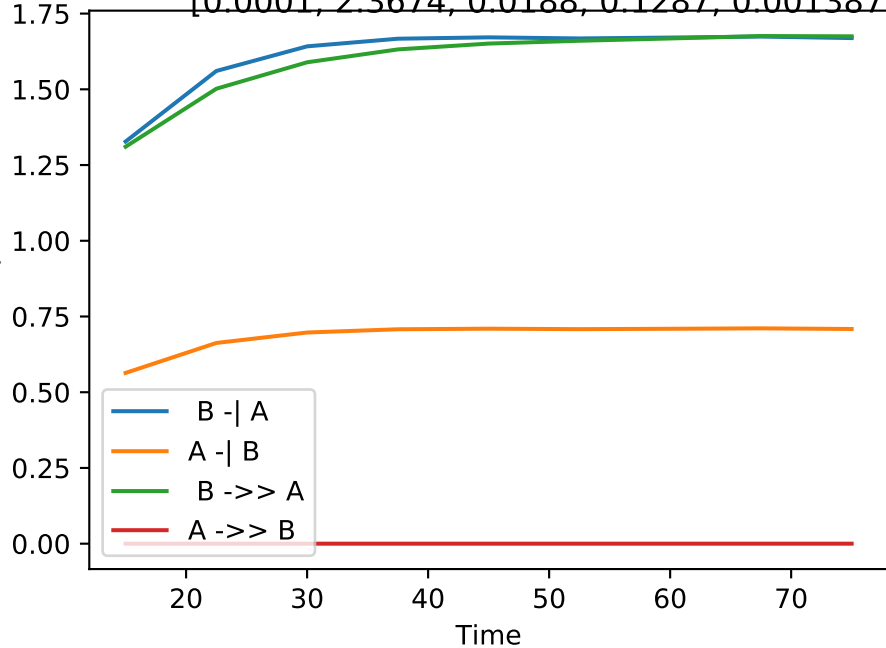




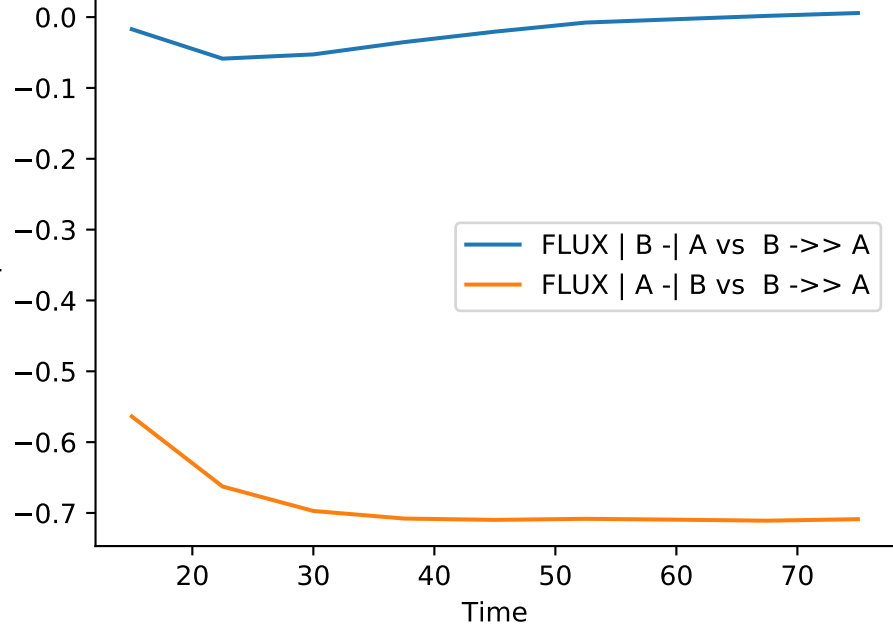
Single_up | MB-LLS Single_up(#197):

[0.0001, 2.3674, 0.0188, 0.1287, 0.001387, 0.0005891, 0.0418, 0.0222, 0.0850, 0.0000]

Reaction Rate per second

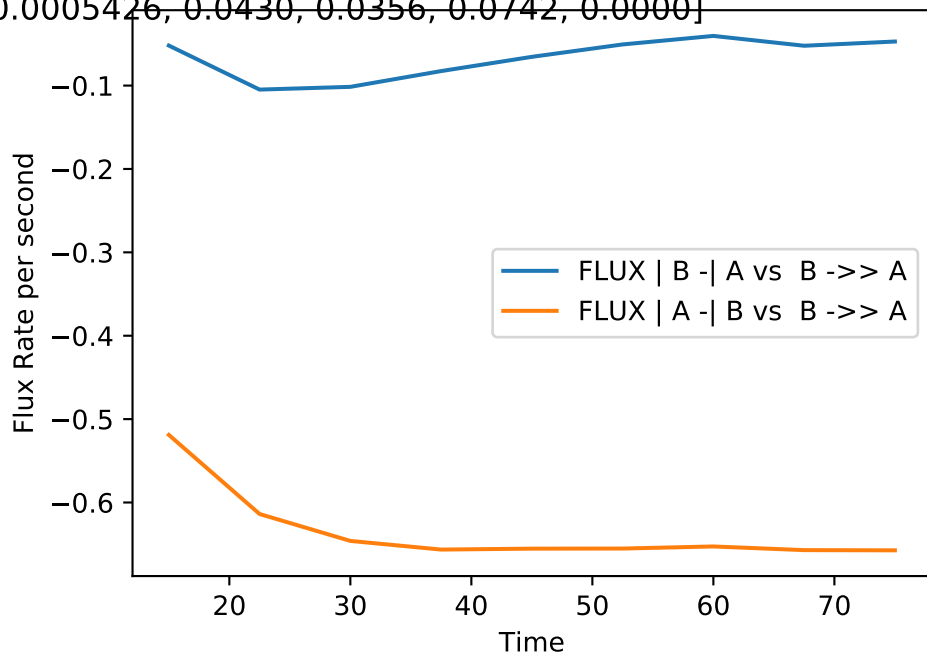
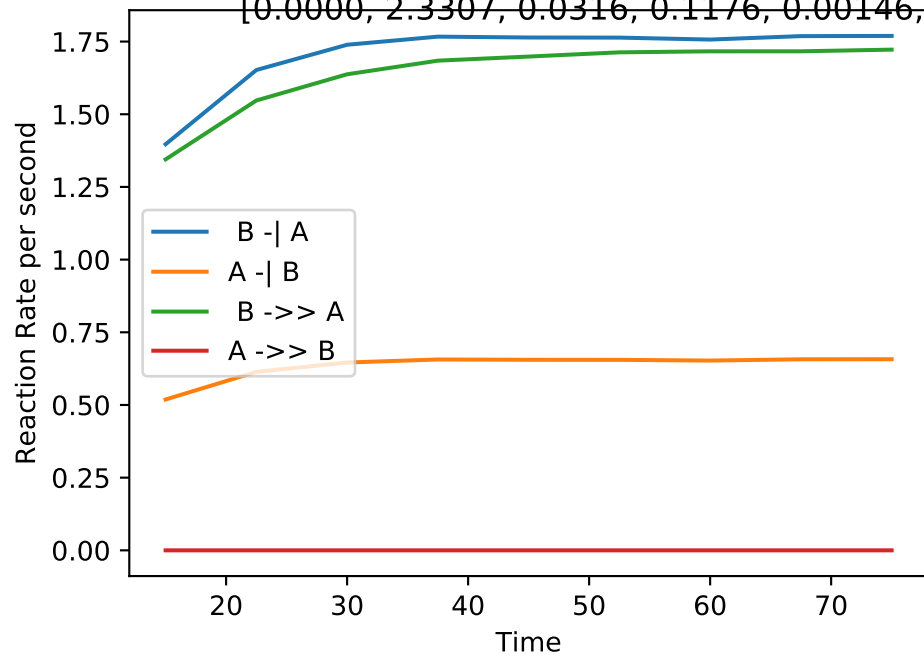


Flux Rate per second



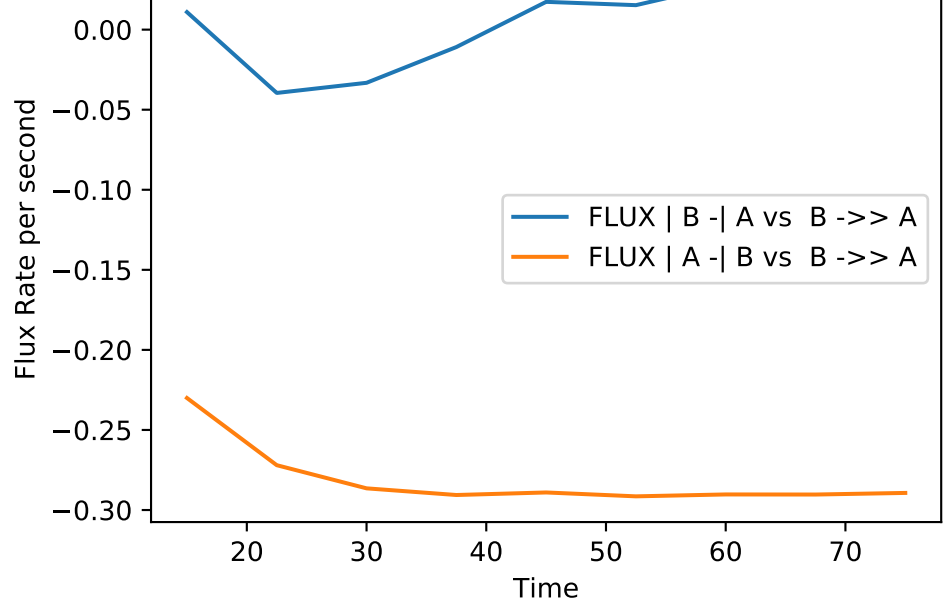
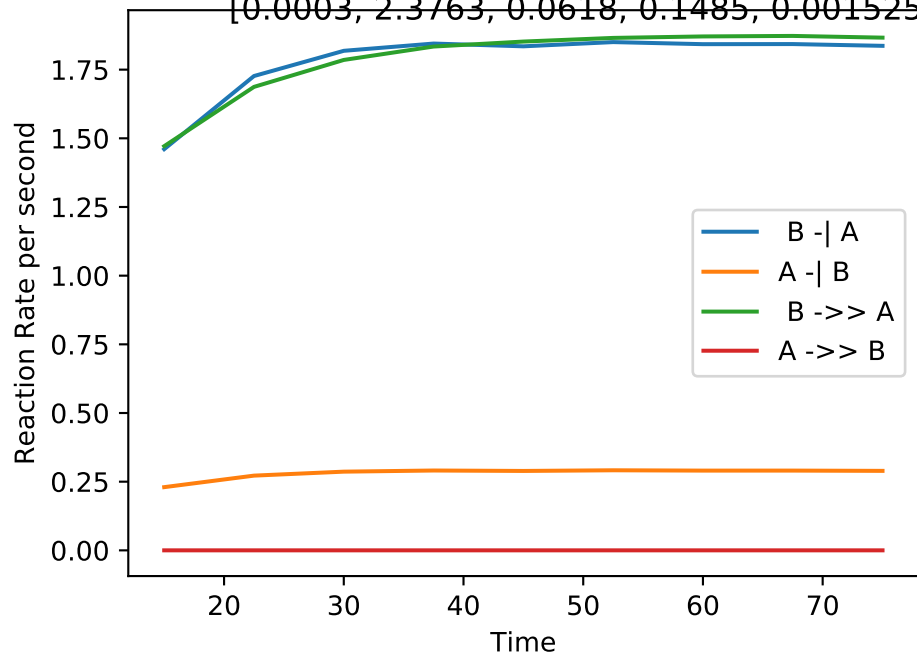
Single_up | MB-LLS Single_up(#198):

[0.0000, 2.3307, 0.0316, 0.1176, 0.00146, 0.0005426, 0.0430, 0.0356, 0.0742, 0.0000]



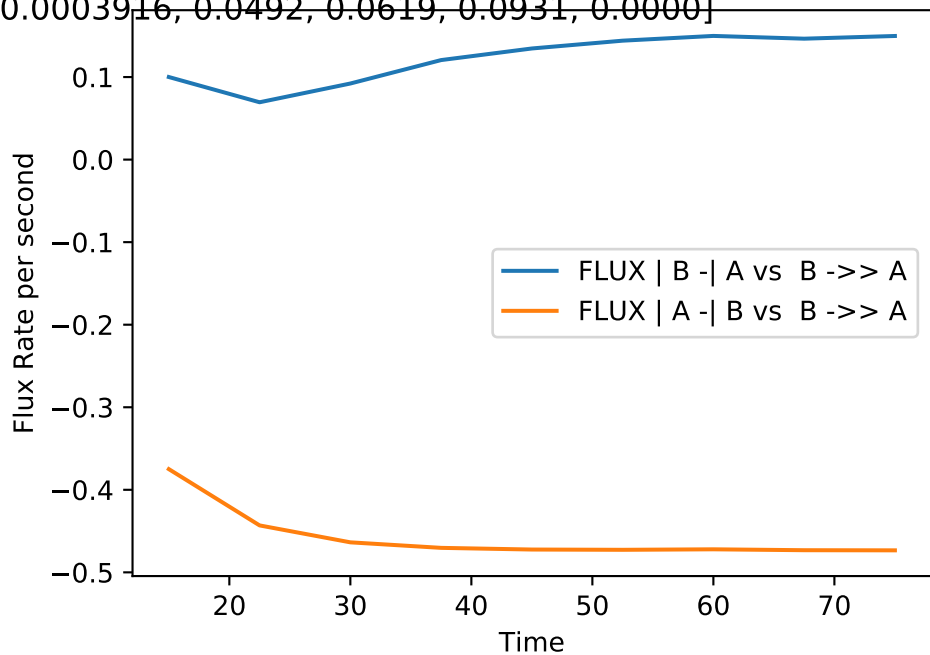
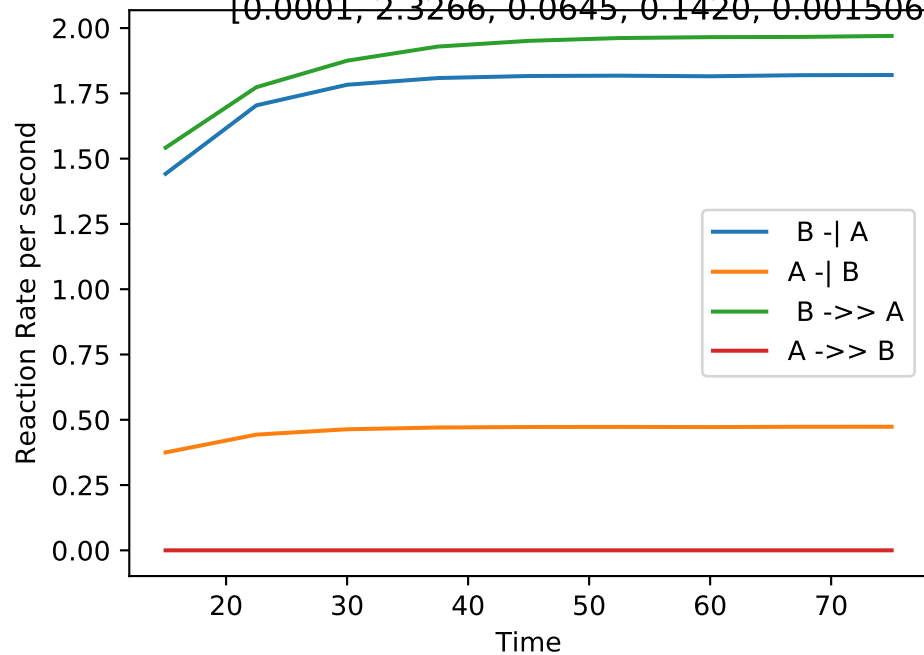
Single_up | MB-LLS Single_up(#199):

[0.0003, 2.3763, 0.0618, 0.1485, 0.001525, 0.0002403, 0.0468, 0.0626, 0.0937, 0.0000]



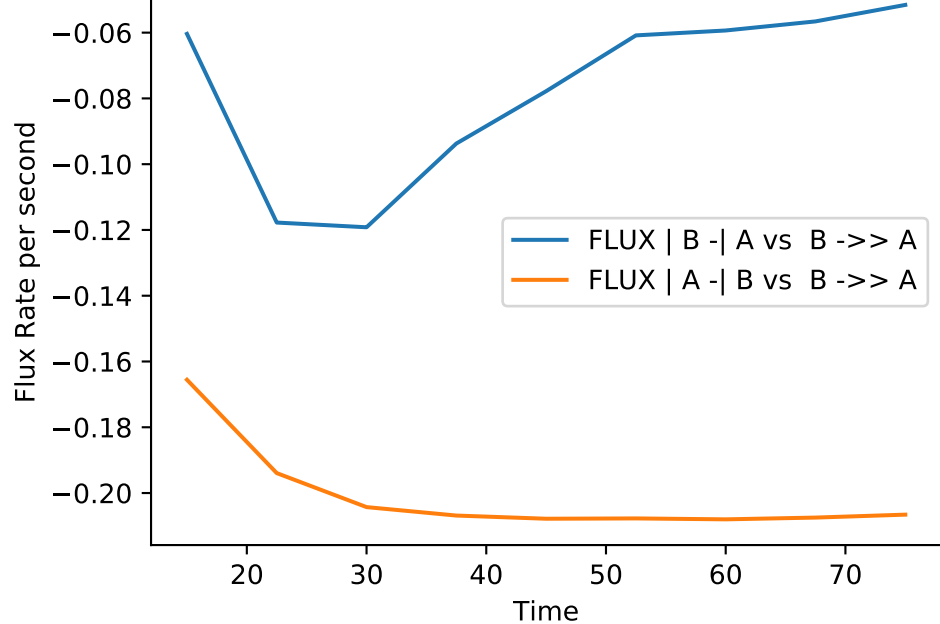
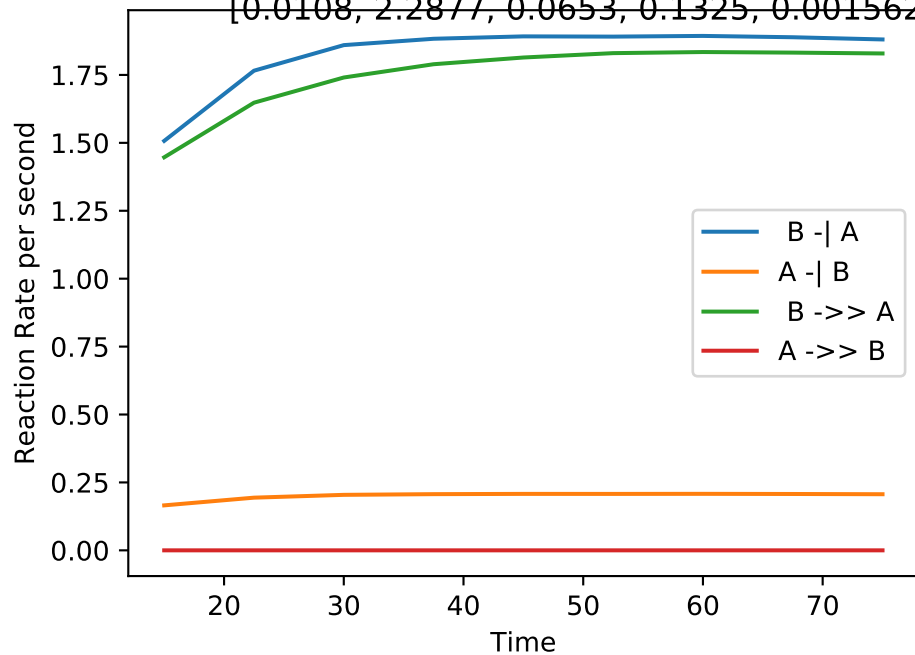
Single_up | MB-LLS Single_up(#200):

[0.0001, 2.3266, 0.0645, 0.1420, 0.001506, 0.0003916, 0.0492, 0.0619, 0.0931, 0.0000]



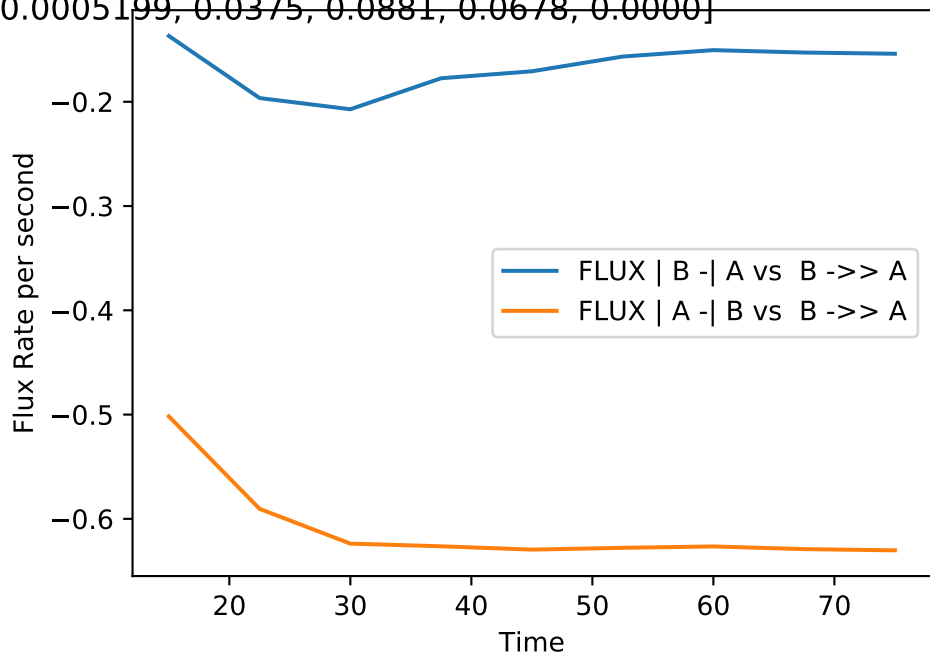
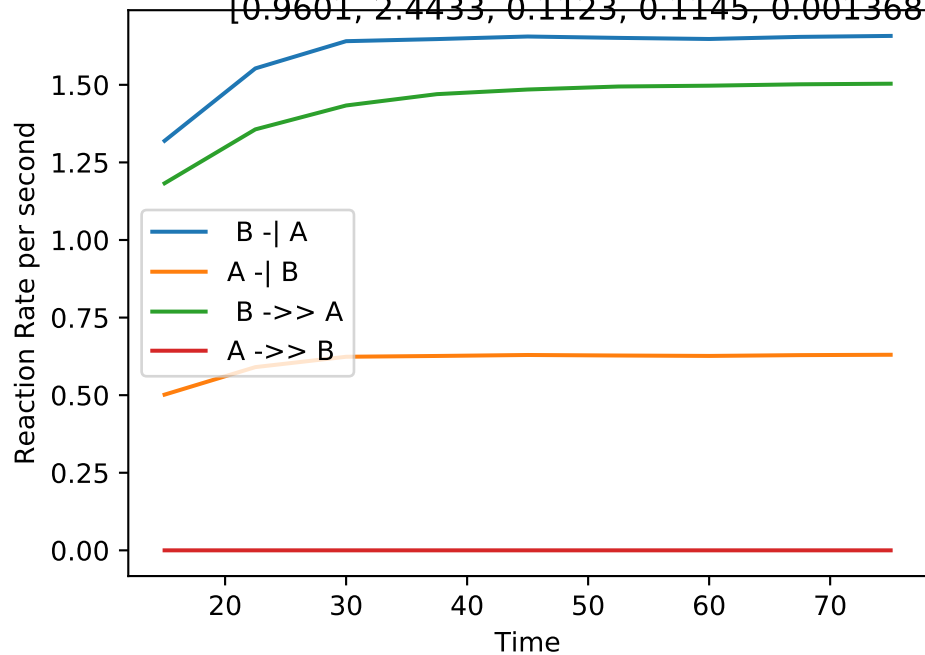
Single_up | MB-LLS Single_up(#201):

[0.0108, 2.2877, 0.0653, 0.1325, 0.001562, 0.0001716, 0.0458, 0.0679, 0.0787, 0.0000]



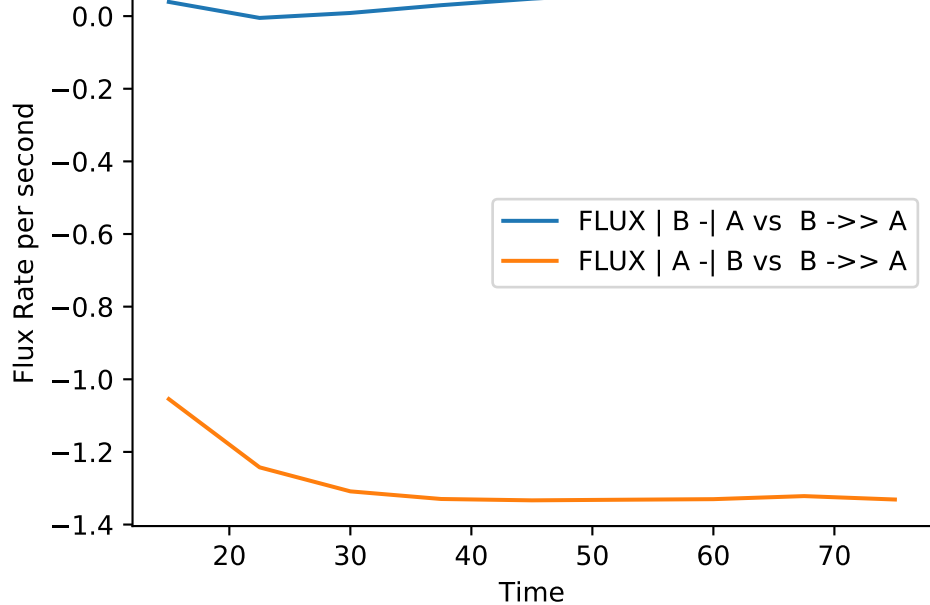
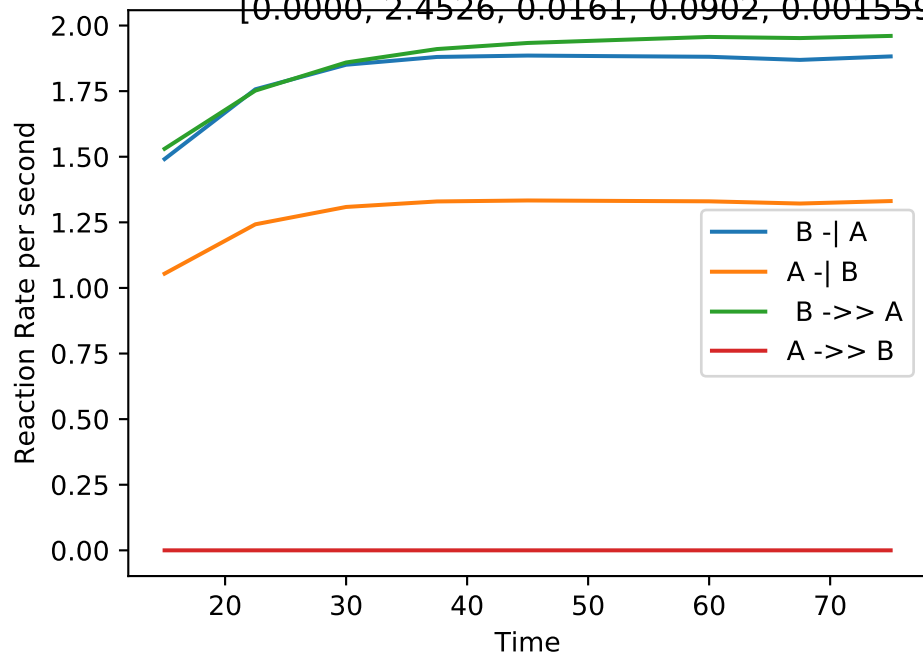
Single_up | MB-LLS Single_up(#202):

[0.9601, 2.4433, 0.1123, 0.1145, 0.001368, 0.0005199, 0.0375, 0.0881, 0.0678, 0.0000]



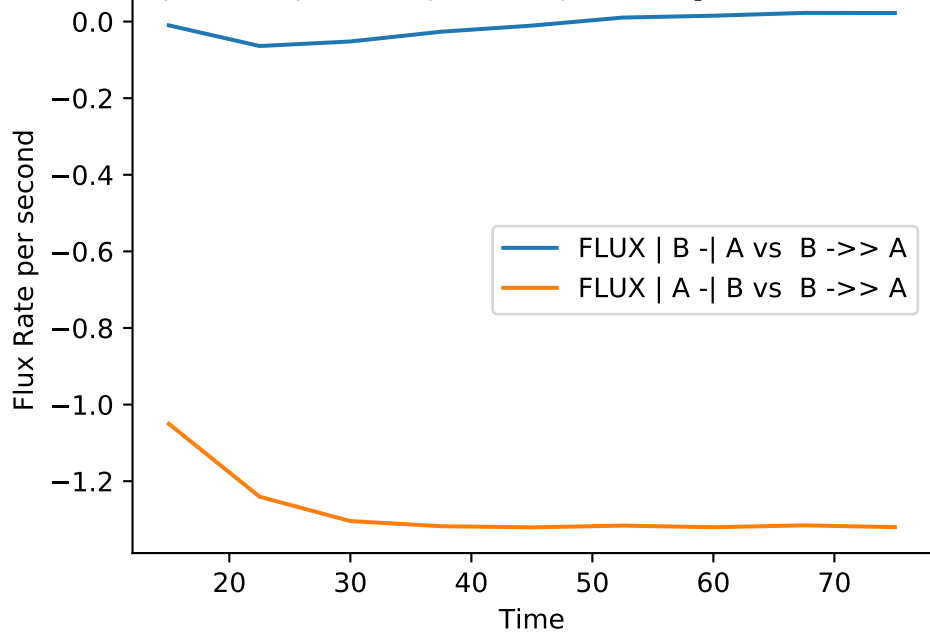
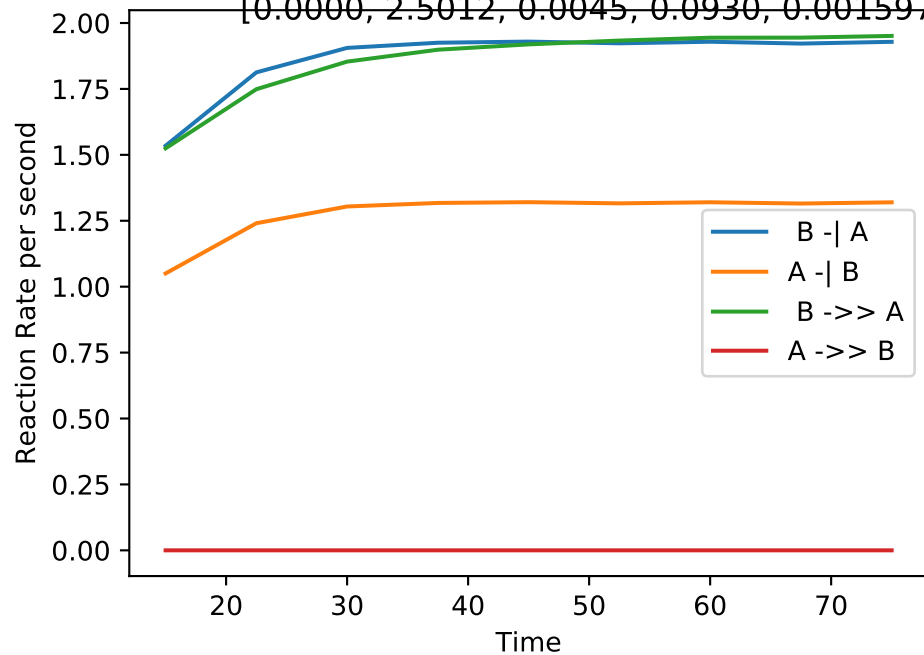
Single_up | MB-LLS Single_up(#203):

[0.0000, 2.4526, 0.0161, 0.0902, 0.001559, 0.001102, 0.0489, 0.0186, 0.0613, 0.0000]



Single_up | MB-LLS Single_up(#204):

[0.0000, 2.5012, 0.0045, 0.0930, 0.001597, 0.001093, 0.0487, 0.0091, 0.0625, 0.0000]



Single_up | MB-LLS Single_up(#205):

[0.8731, 2.2852, 0.0286, 0.1689, 0.0006756, 0.0002947, 0.0169, 0.0083, 0.1171, 0.0000]

Reaction Rate per second

0.8
0.6
0.4
0.2
0.0

— B -| A
— A -| B
— B ->> A
— A ->> B

20

30

40

50

60

70

Time

Flux Rate per second

-0.15
-0.20
-0.25
-0.30
-0.35

— FLUX | B -| A vs B ->> A
— FLUX | A -| B vs B ->> A

20

30

40

50

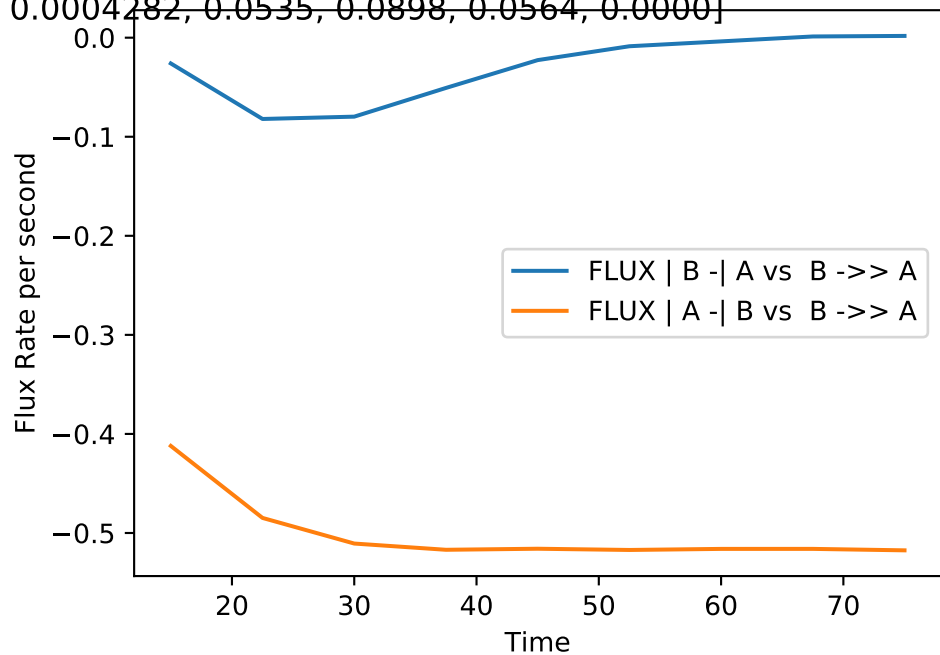
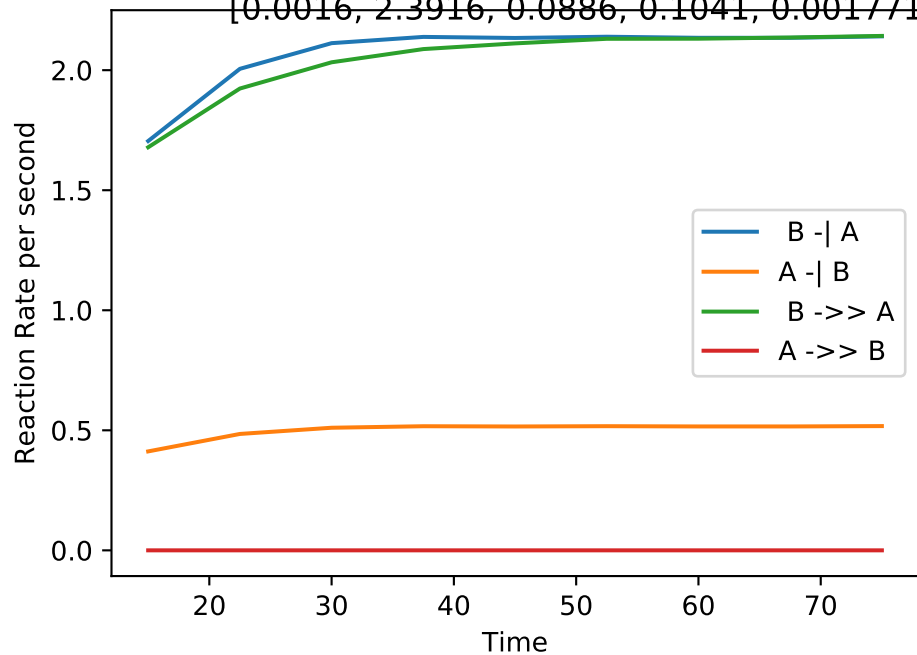
60

70

Time

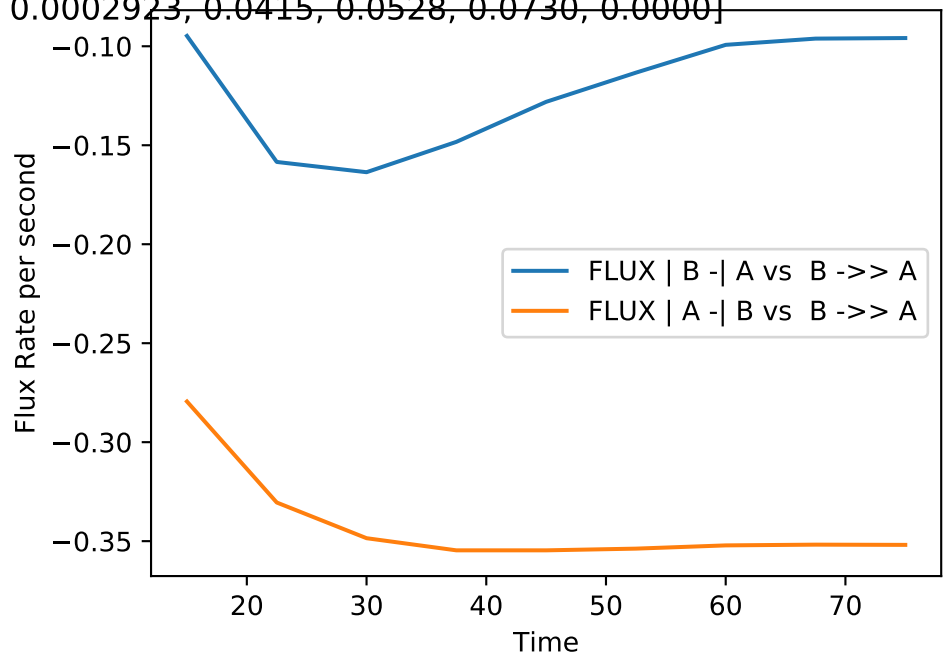
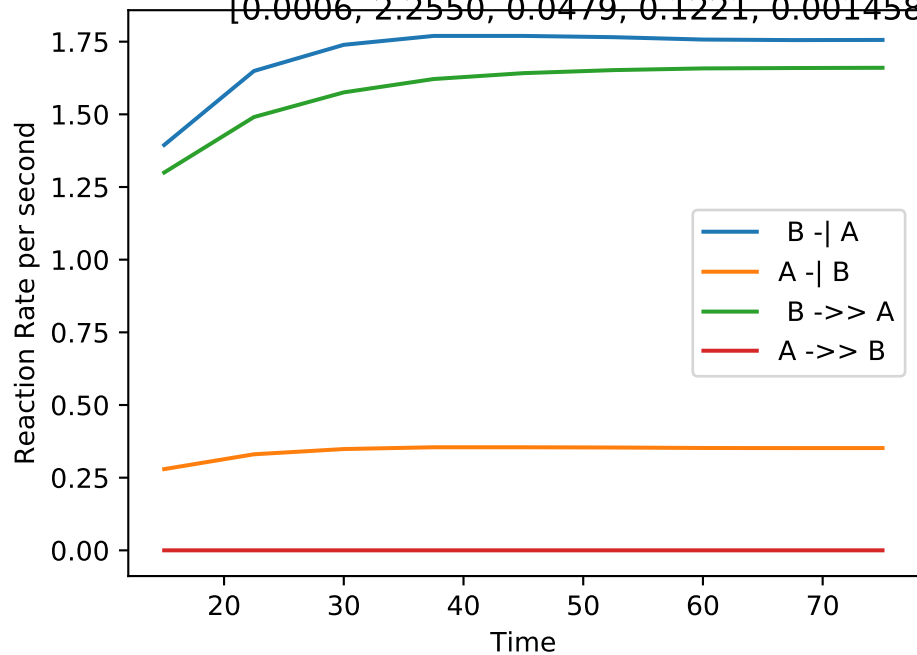
Single_up | MB-LLS Single_up(#206):

[0.0016, 2.3916, 0.0886, 0.1041, 0.001771, 0.0004282, 0.0535, 0.0898, 0.0564, 0.0000]



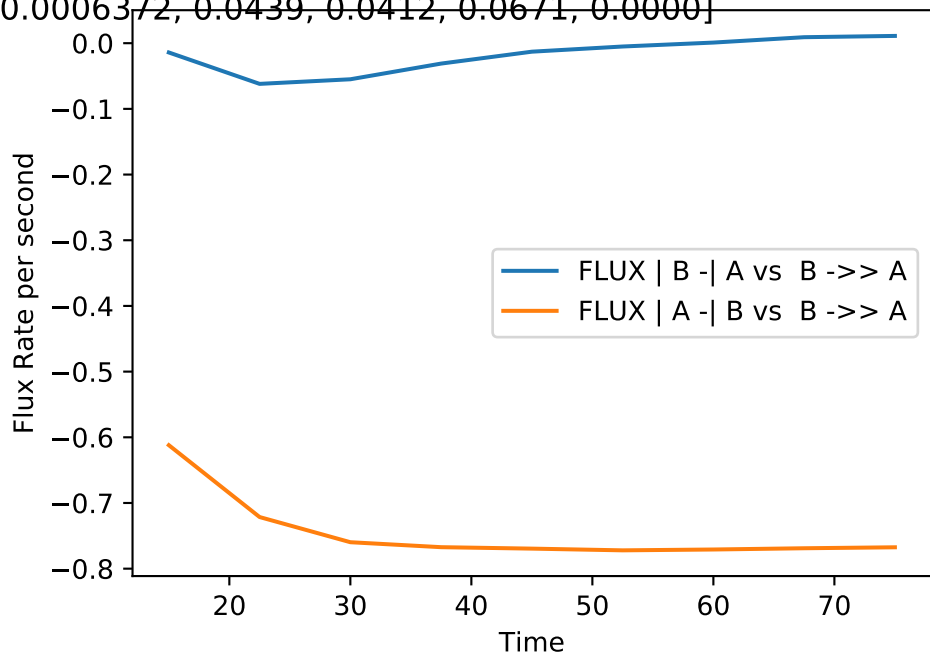
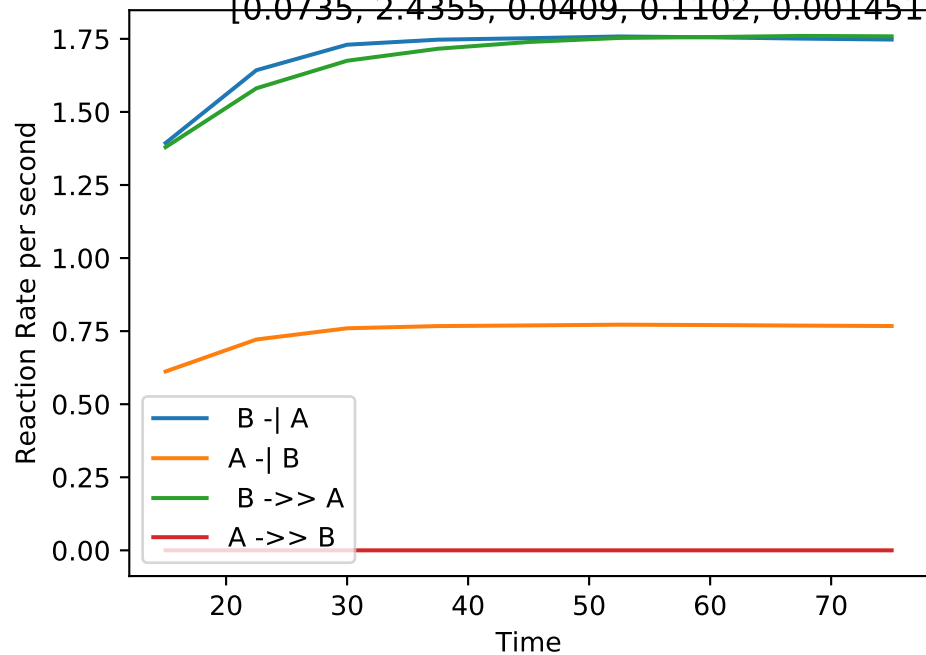
Single_up | MB-LLS Single_up(#207):

[0.0006, 2.2550, 0.0479, 0.1221, 0.001458, 0.0002923, 0.0415, 0.0528, 0.0730, 0.0000]



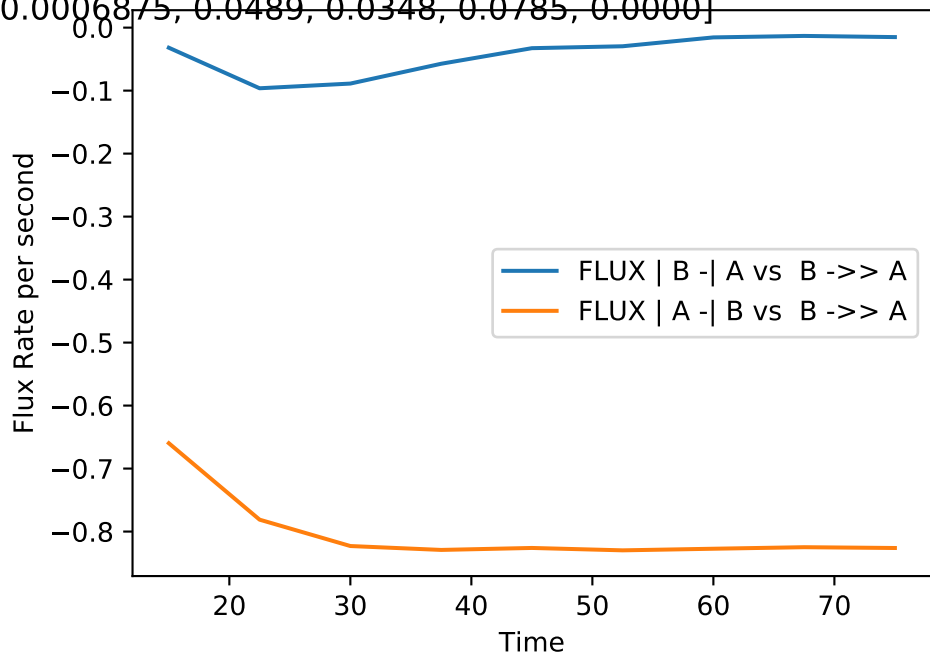
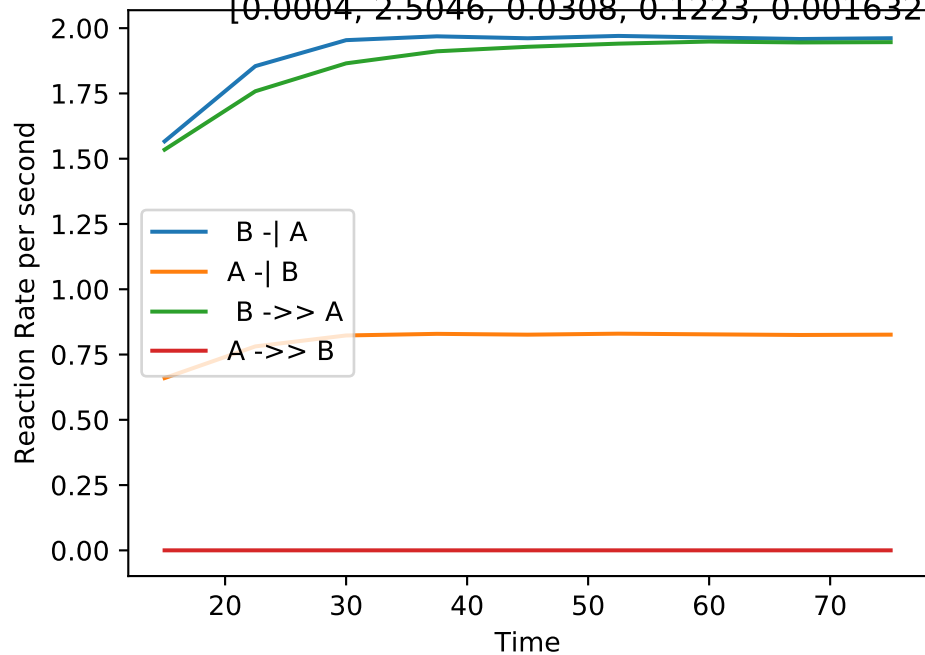
Single_up | MB-LLS Single_up(#208):

[0.0735, 2.4355, 0.0409, 0.1102, 0.001451, 0.0006372, 0.0439, 0.0412, 0.0671, 0.0000]



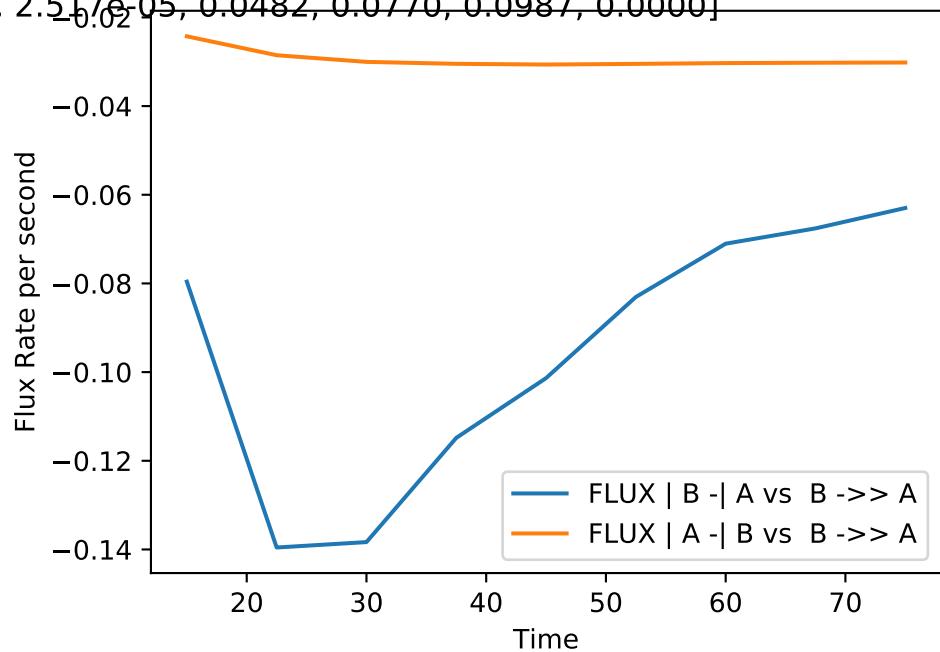
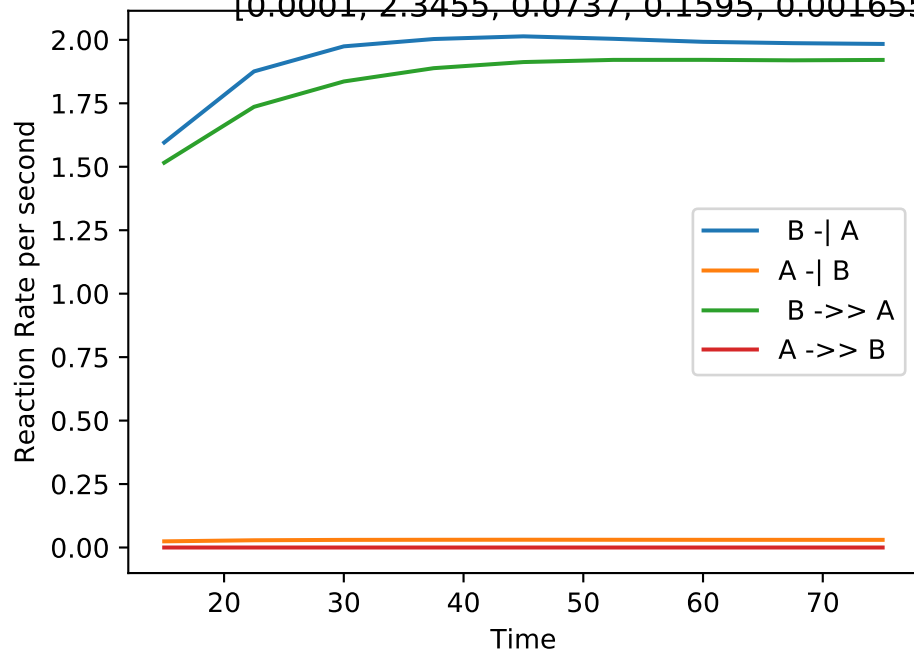
Single_up | MB-LLS Single_up(#209):

[0.0004, 2.5046, 0.0308, 0.1223, 0.001632, 0.0006875, 0.0489, 0.0348, 0.0785, 0.0000]



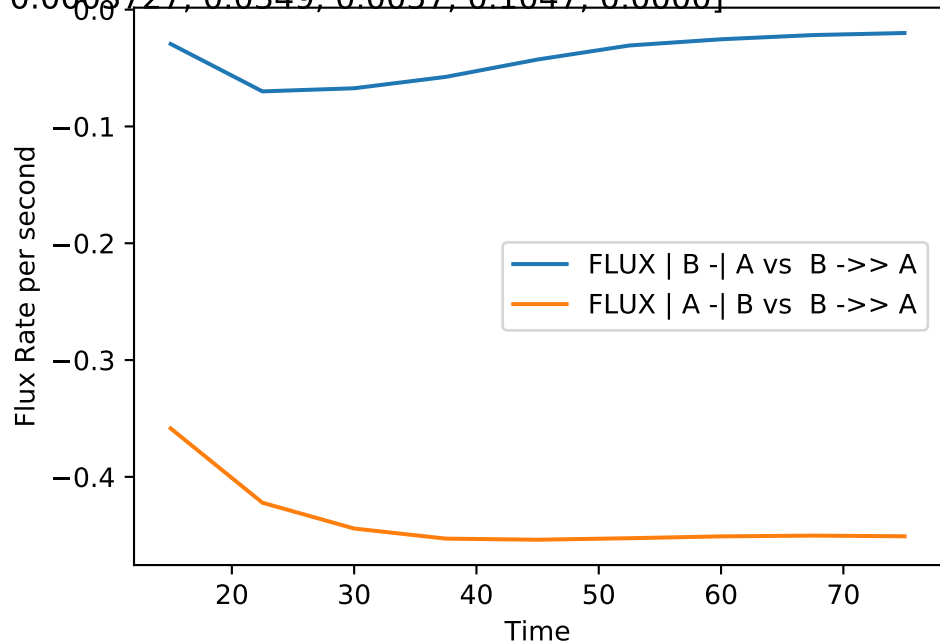
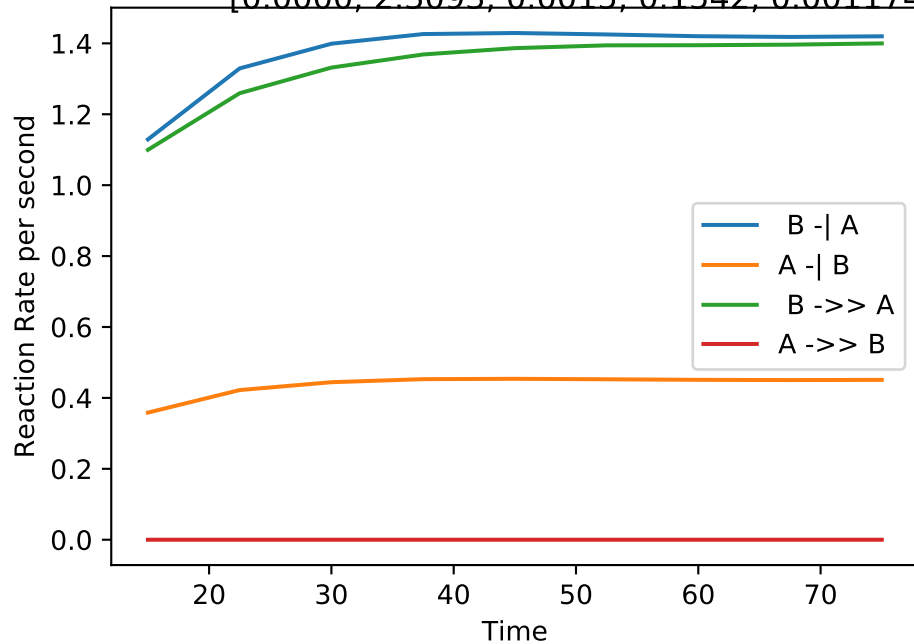
Single_up | MB-LLS Single_up(#210):

[0.0001, 2.3455, 0.0737, 0.1595, 0.001655, 2.517e-05, 0.0482, 0.0770, 0.0987, 0.0000]



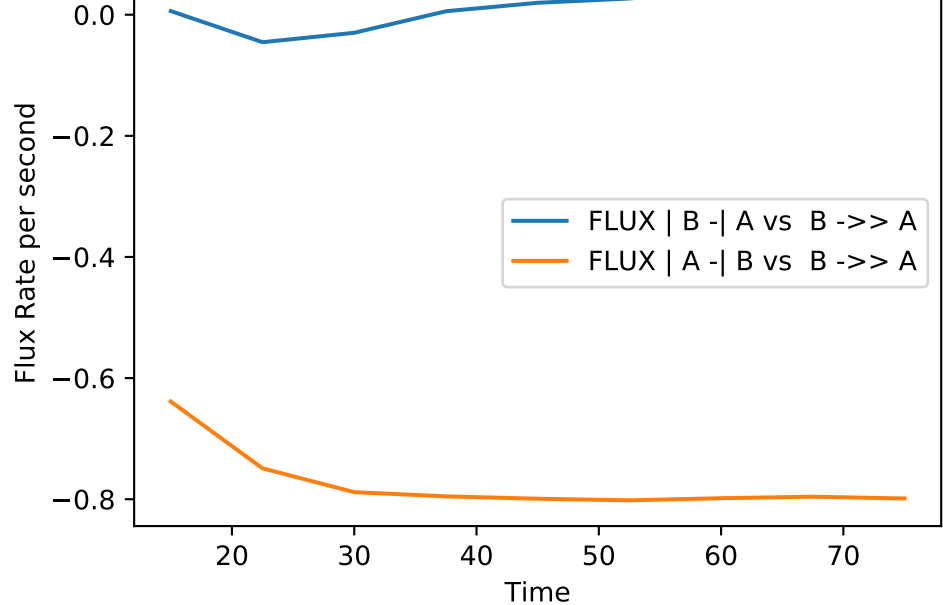
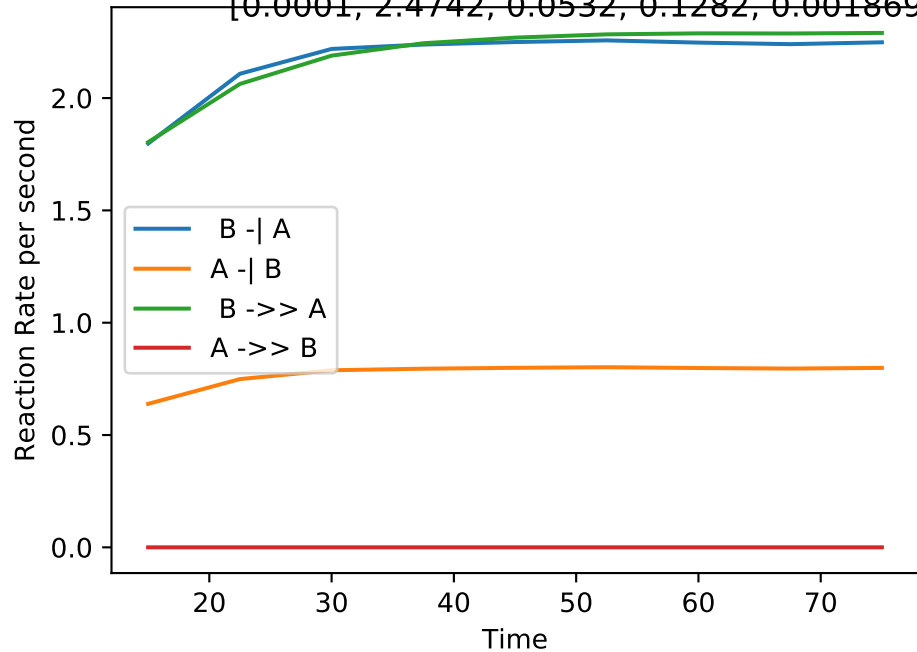
Single_up | MB-LLS Single_up(#211):

[0.0000, 2.3093, 0.0015, 0.1542, 0.001174, 0.0003727, 0.0349, 0.0057, 0.1047, 0.0000]



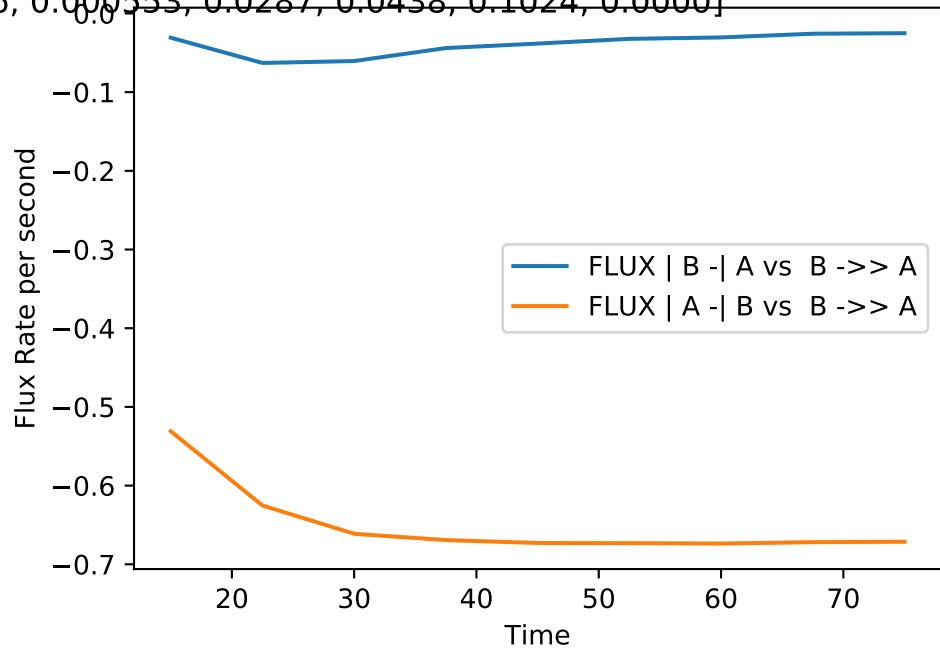
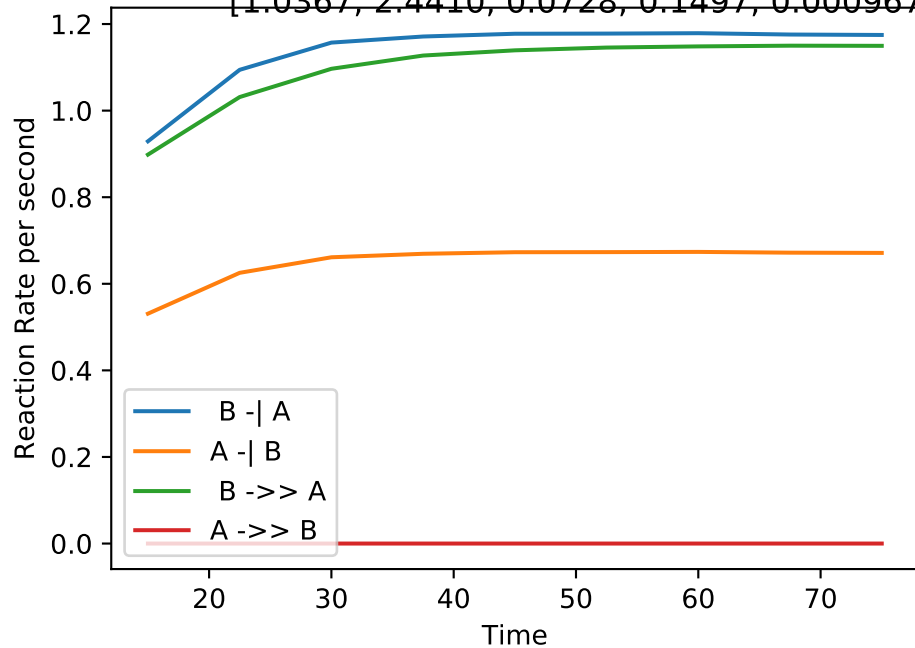
Single_up | MB-LLS Single_up(#212):

[0.0001, 2.4742, 0.0532, 0.1282, 0.001869, 0.0006639, 0.0574, 0.0554, 0.0841, 0.0000]



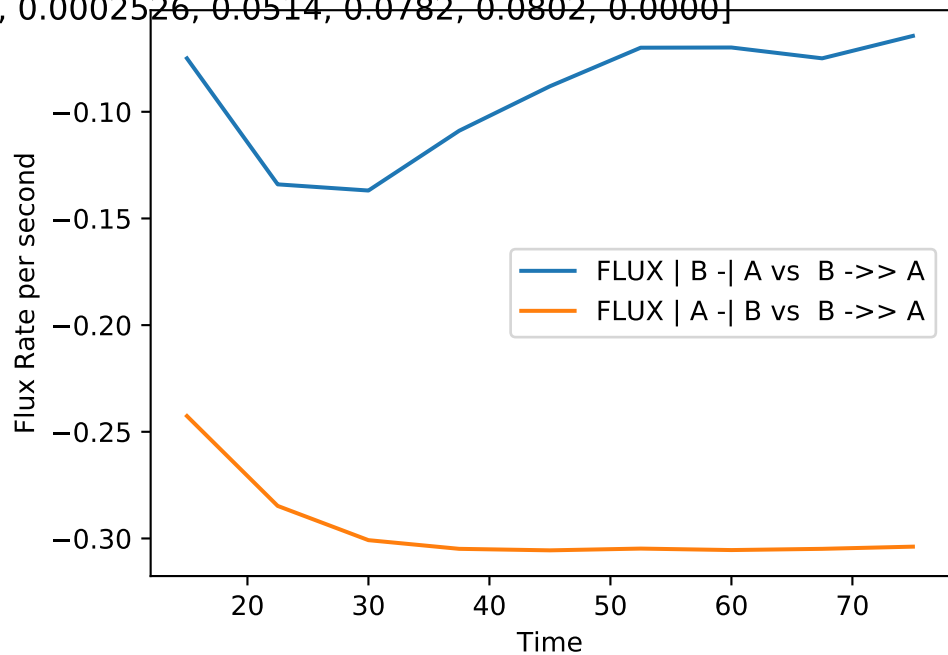
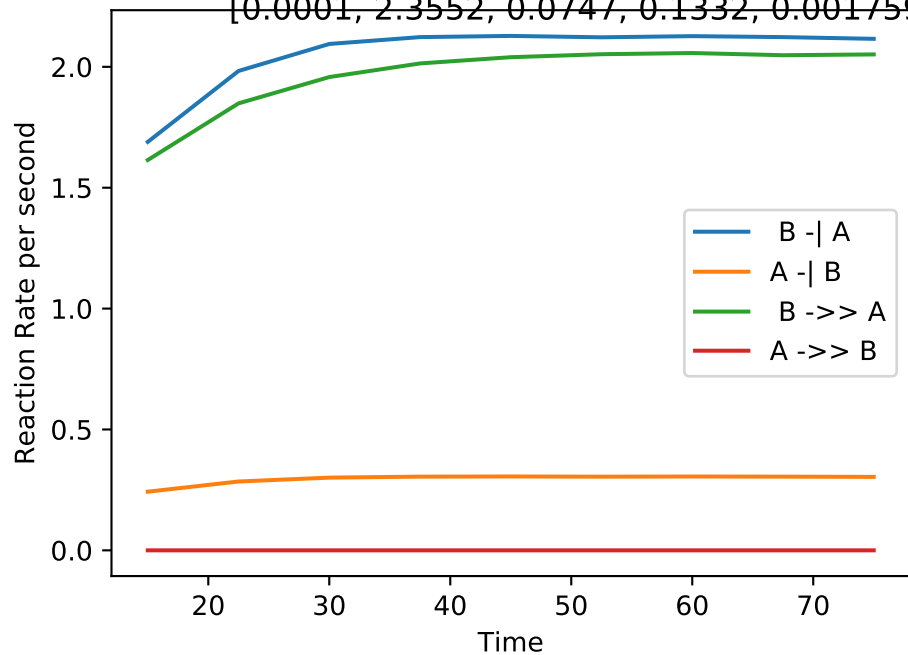
Single_up | MB-LLS Single_up(#213):

[1.0367, 2.4410, 0.0728, 0.1497, 0.0009676, 0.000553, 0.0287, 0.0438, 0.1024, 0.0000]



Single_up | MB-LLS Single_up(#214):

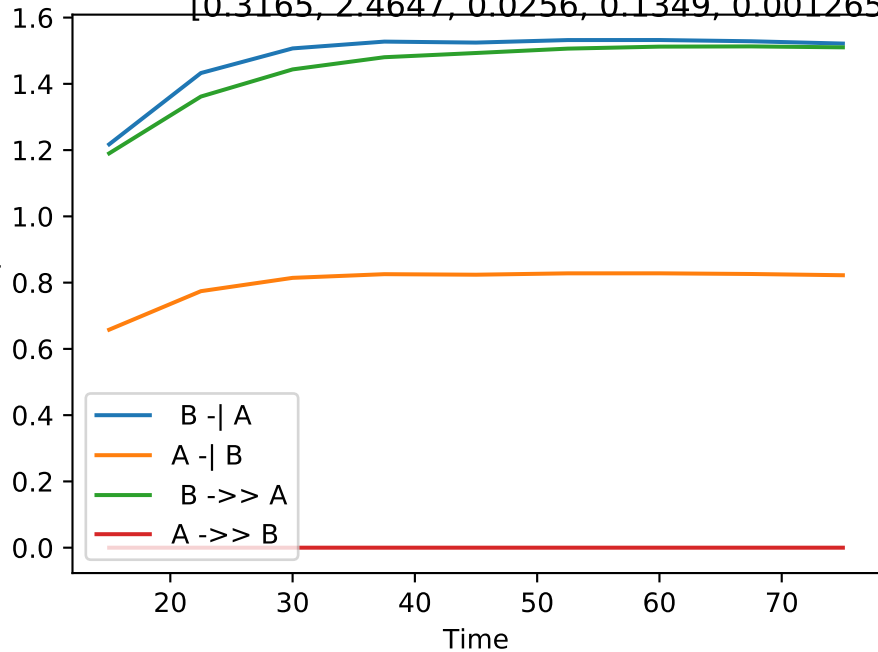
[0.0001, 2.3552, 0.0747, 0.1332, 0.001759, 0.0002526, 0.0514, 0.0782, 0.0802, 0.0000]



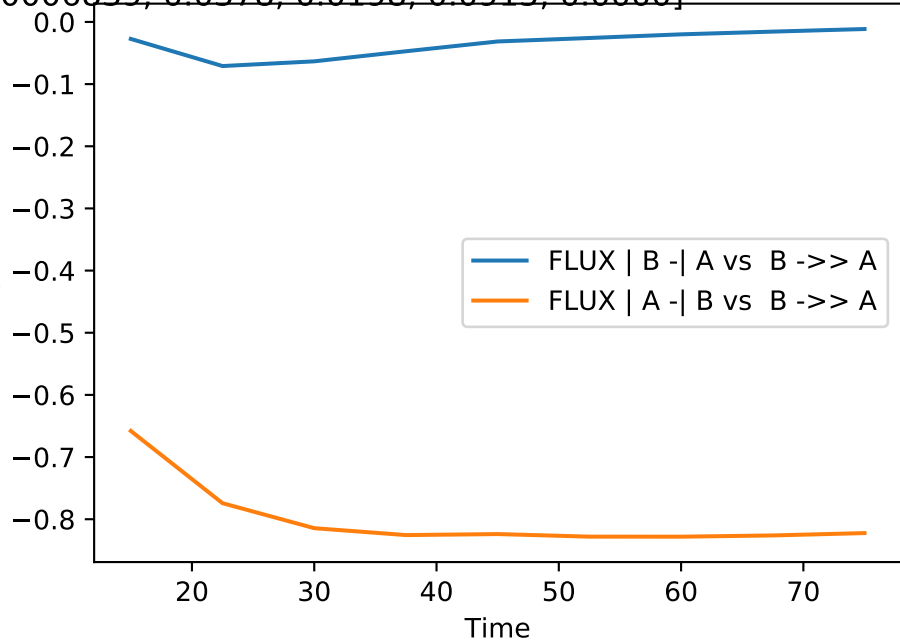
Single_up | MB-LLS Single_up(#215):

[0.3165, 2.4647, 0.0256, 0.1349, 0.001265, 0.0006839, 0.0378, 0.0198, 0.0915, 0.0000]

Reaction Rate per second

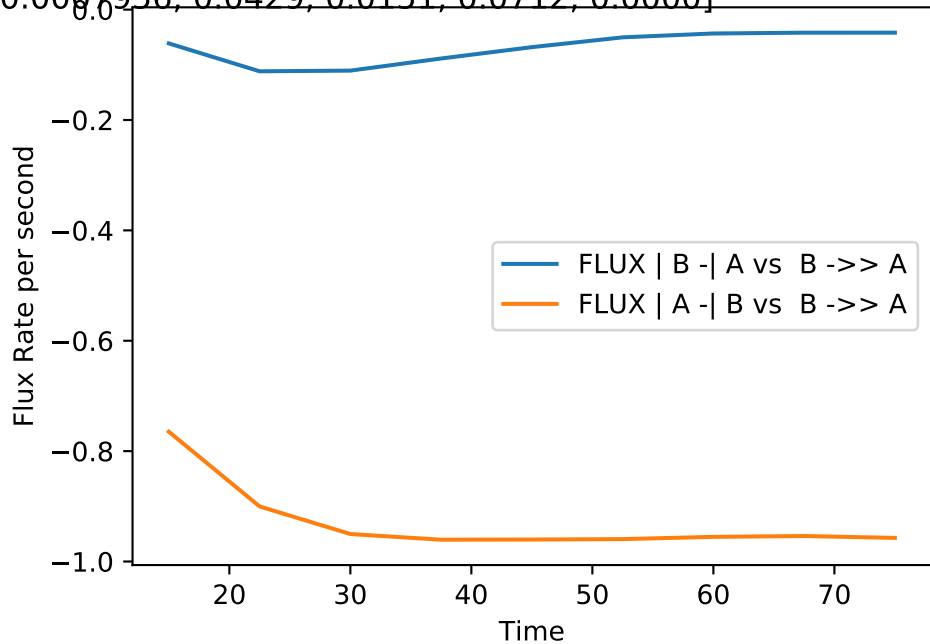
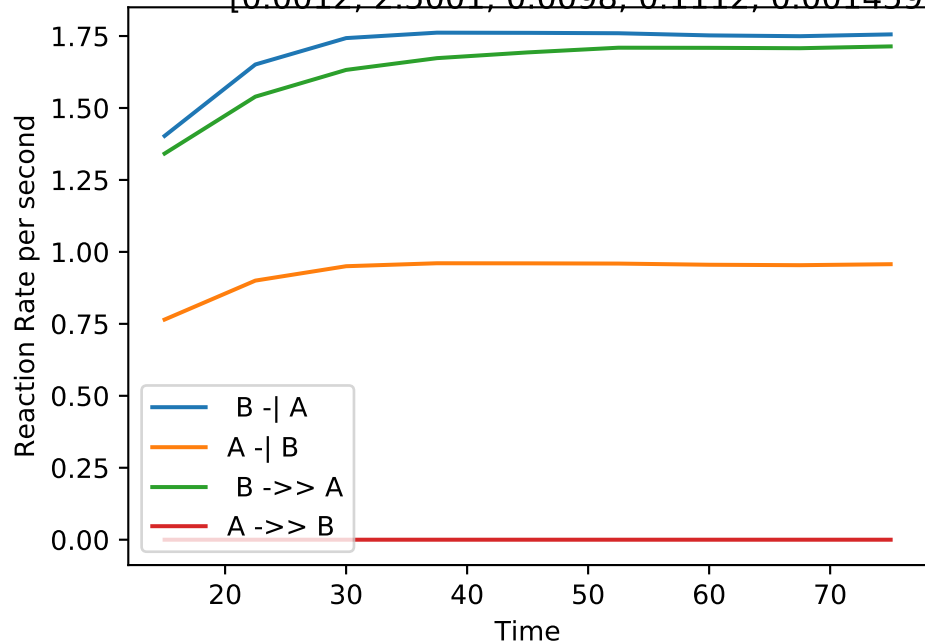


Flux Rate per second



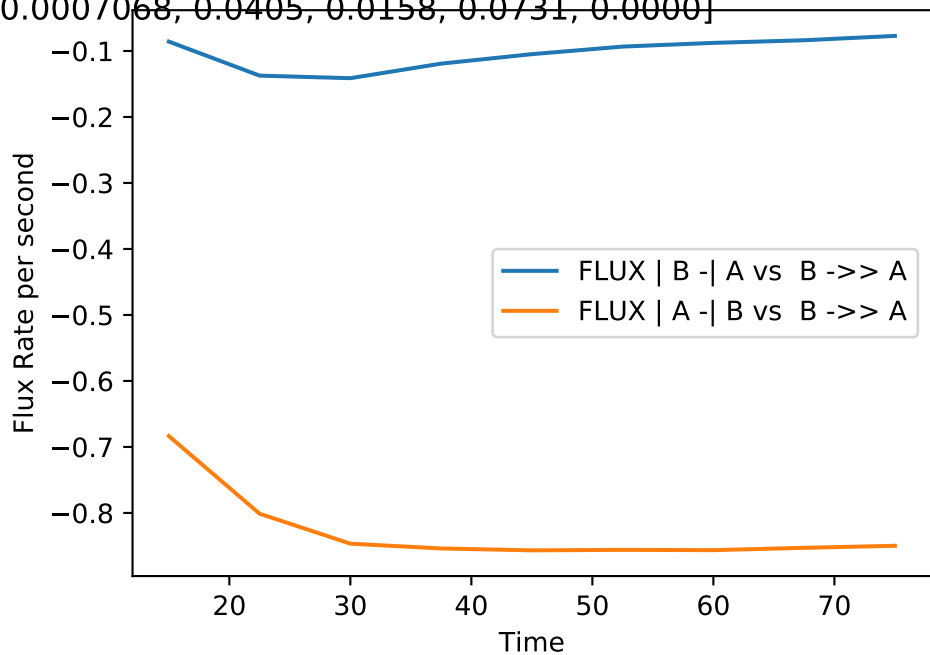
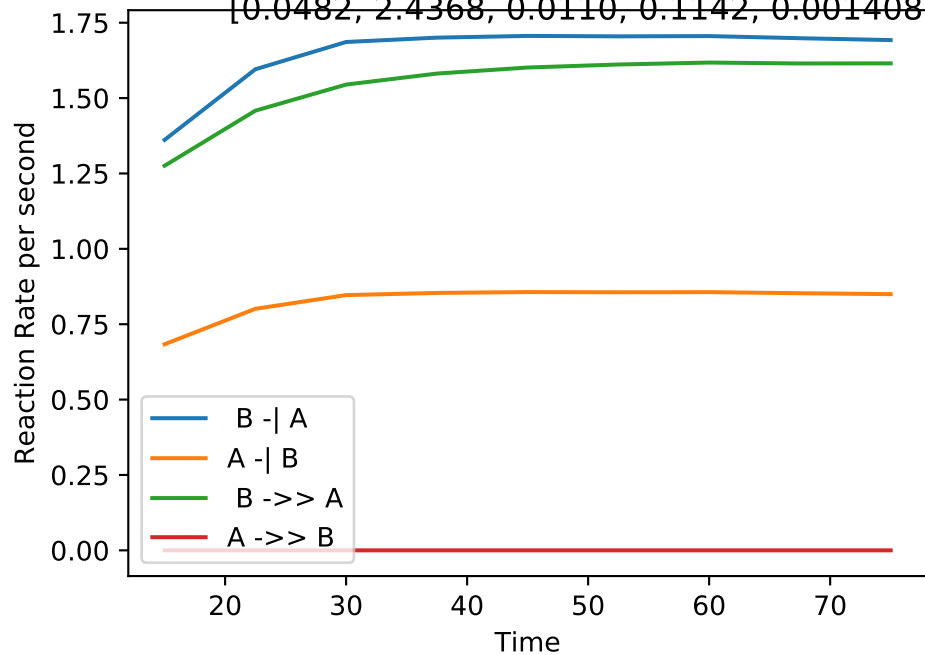
Single_up | MB-LLS Single_up(#216):

[0.0012, 2.5001, 0.0098, 0.1112, 0.001459, 0.0007956, 0.0429, 0.0151, 0.0712, 0.0000]



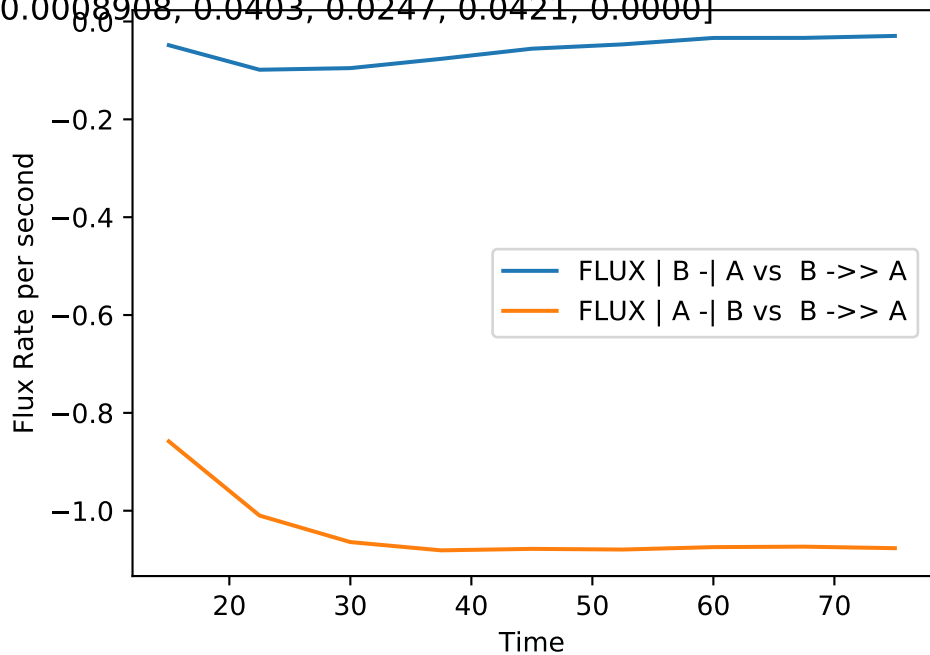
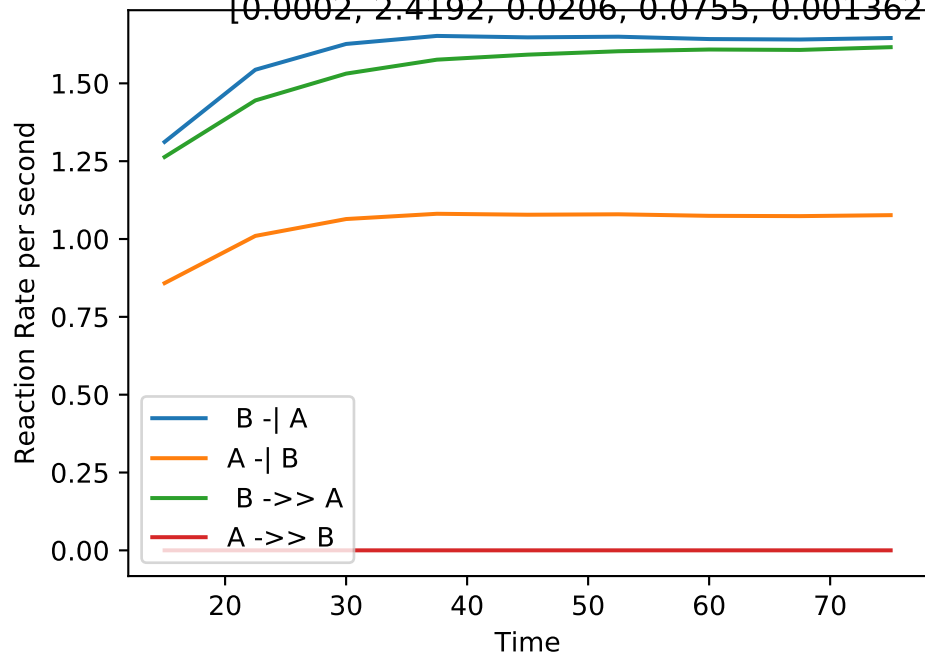
Single_up | MB-LLS Single_up(#217):

[0.0482, 2.4368, 0.0110, 0.1142, 0.001408, 0.0007068, 0.0405, 0.0158, 0.0731, 0.0000]



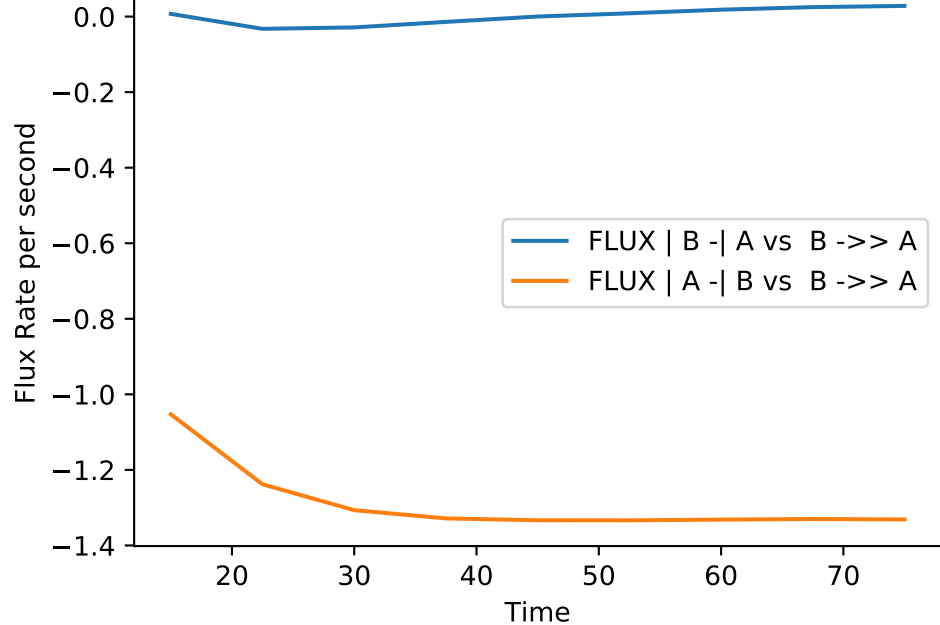
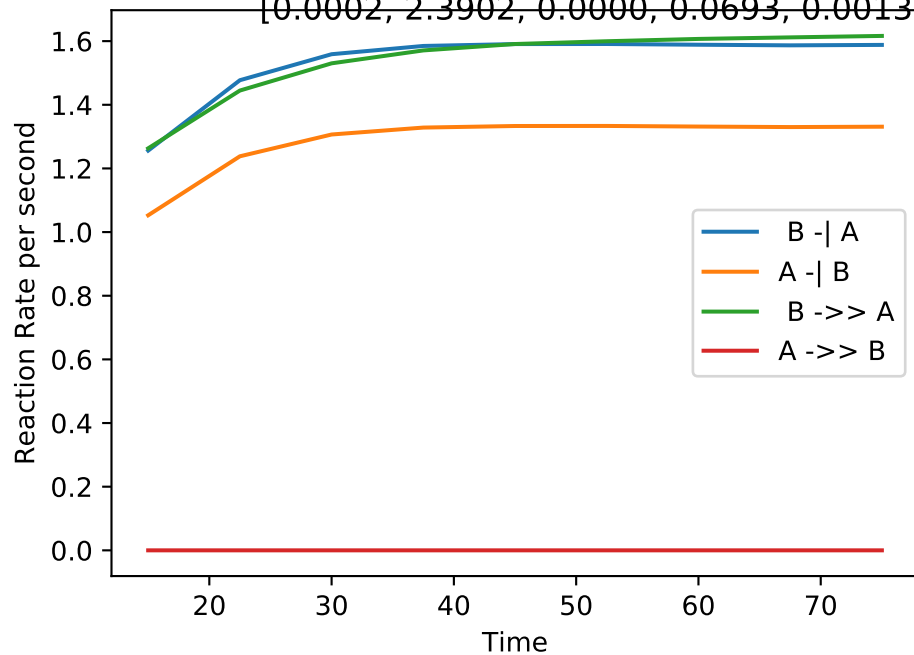
Single_up | MB-LLS Single_up(#218):

[0.0002, 2.4192, 0.0206, 0.0755, 0.001362, 0.0008908, 0.0403, 0.0247, 0.0421, 0.0000]



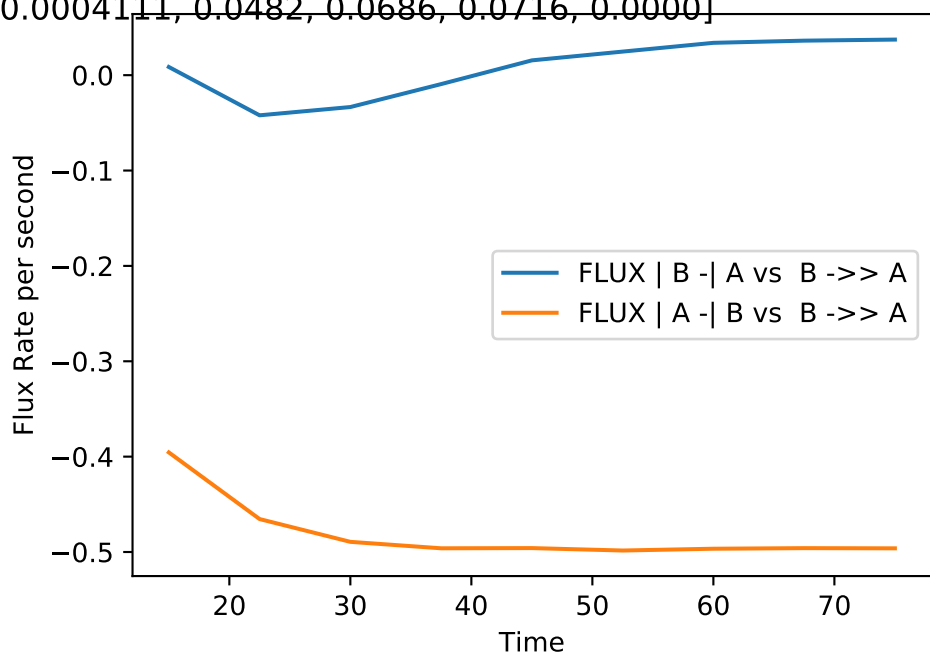
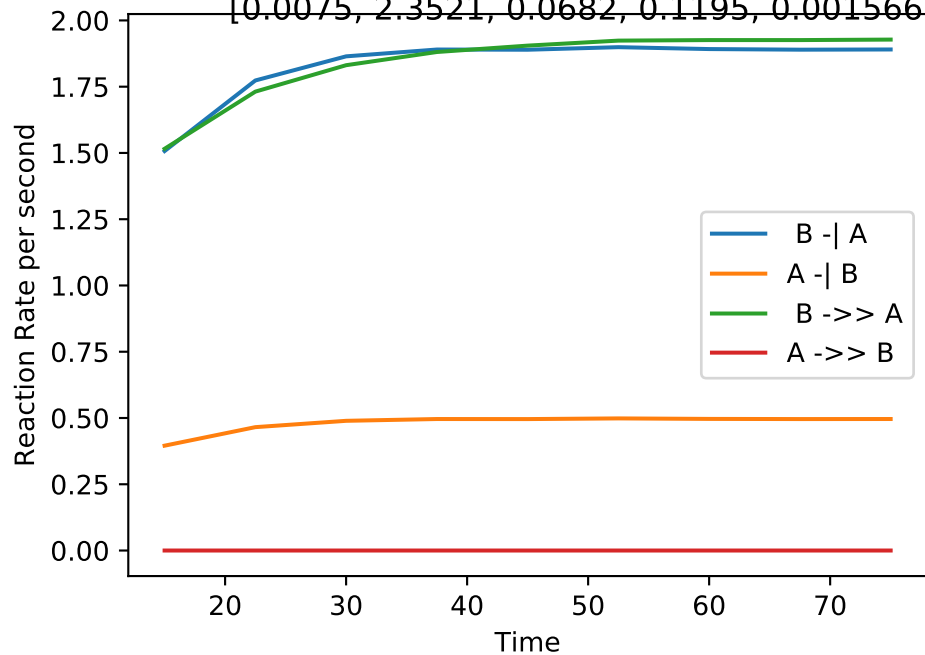
Single_up | MB-LLS Single_up(#219):

[0.0002, 2.3902, 0.0000, 0.0693, 0.001313, 0.0011, 0.0402, 0.0037, 0.0428, 0.0000]



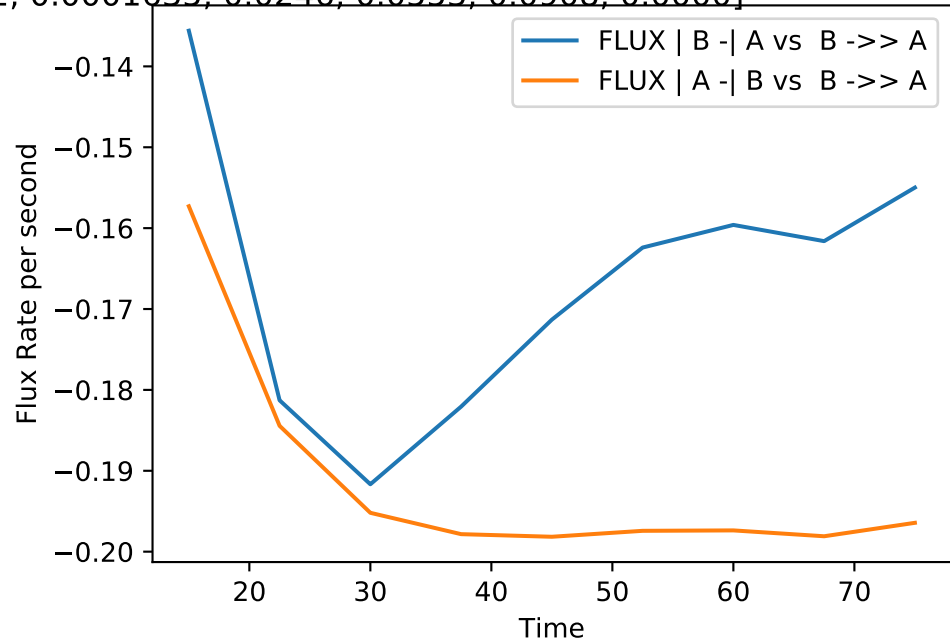
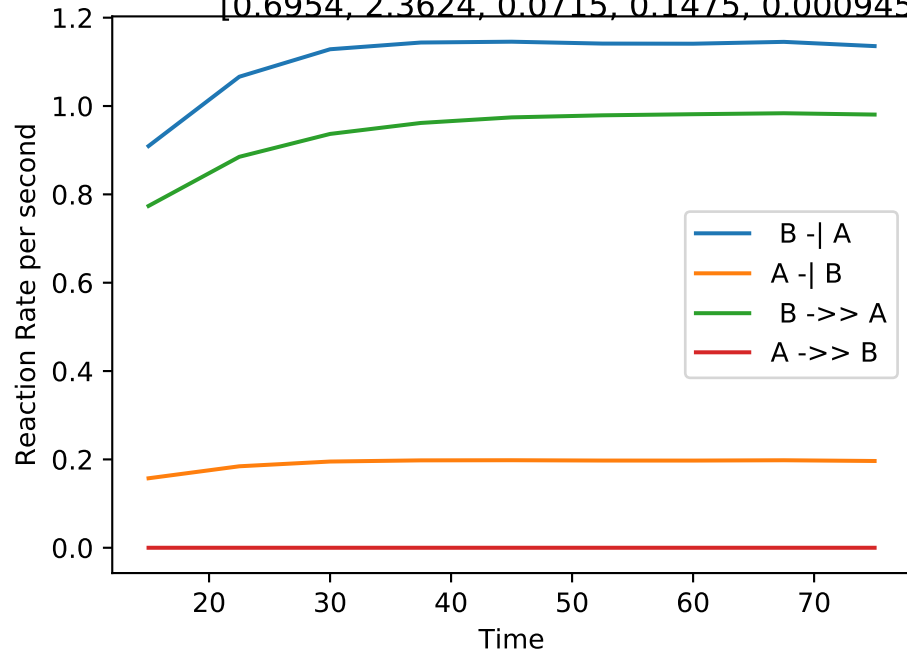
Single_up | MB-LLS Single_up(#220):

[0.0075, 2.3521, 0.0682, 0.1195, 0.001566, 0.0004111, 0.0482, 0.0686, 0.0716, 0.0000]



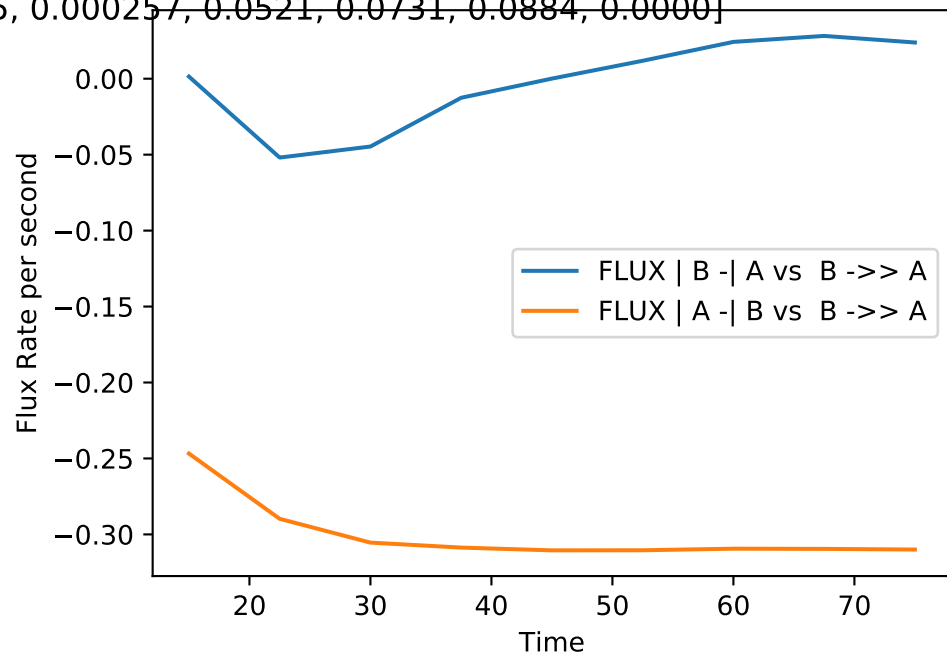
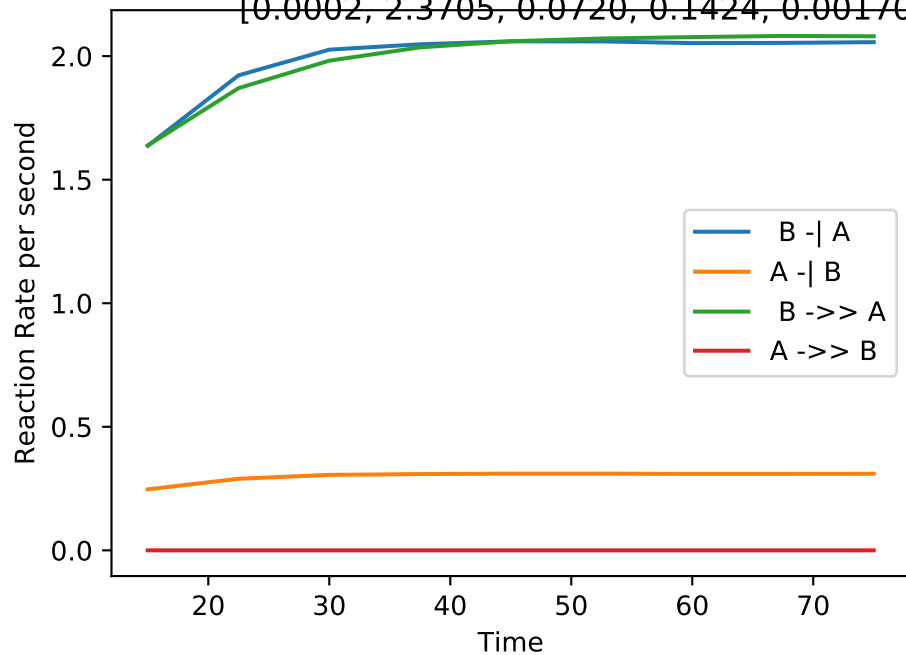
Single_up | MB-LLS Single_up(#221):

[0.6954, 2.3624, 0.0715, 0.1475, 0.0009452, 0.0001635, 0.0246, 0.0553, 0.0908, 0.0000]



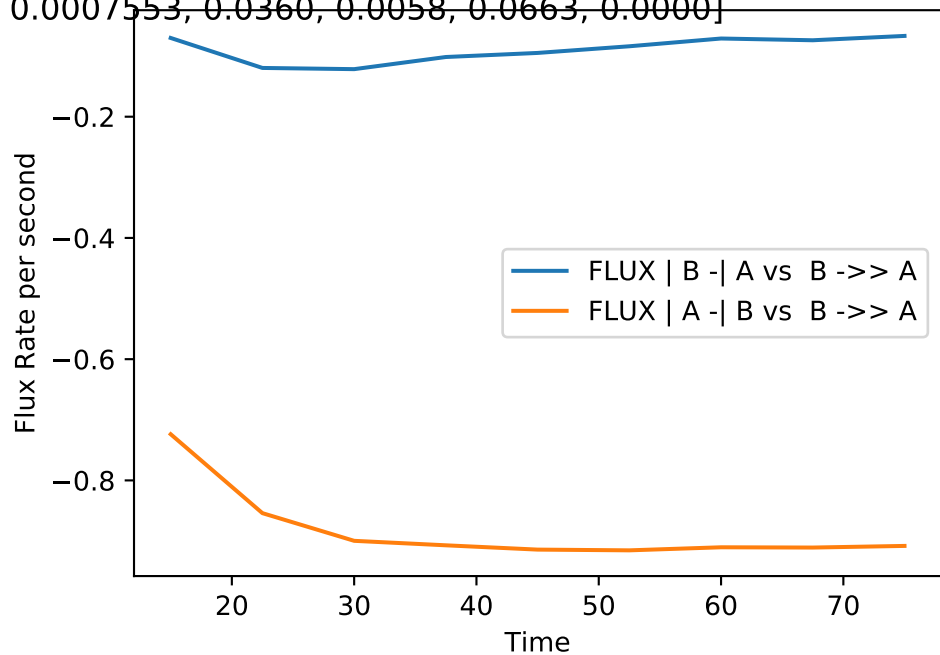
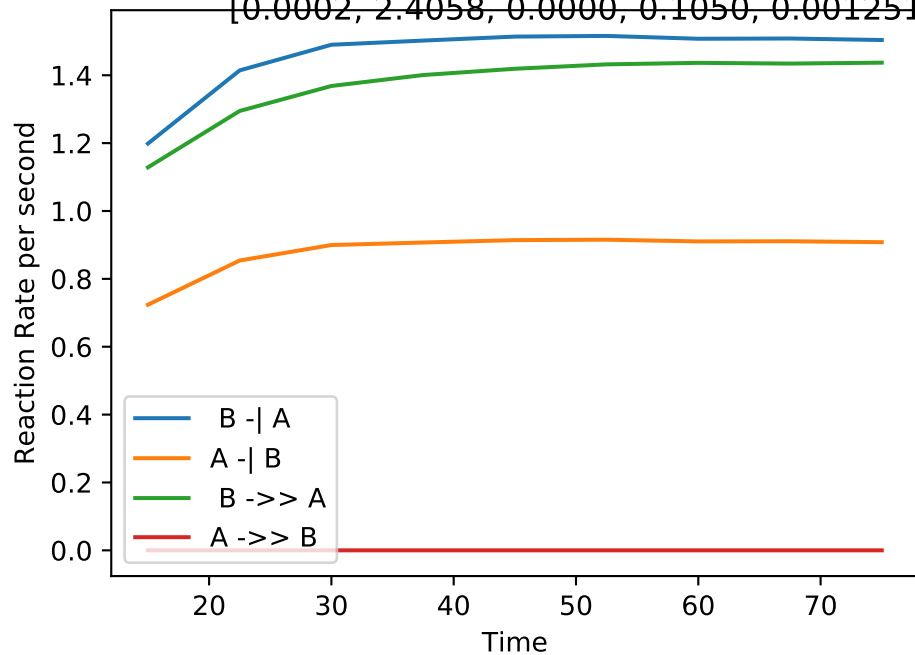
Single_up | MB-LLS Single_up(#222):

[0.0002, 2.3705, 0.0720, 0.1424, 0.001705, 0.000257, 0.0521, 0.0731, 0.0884, 0.0000]



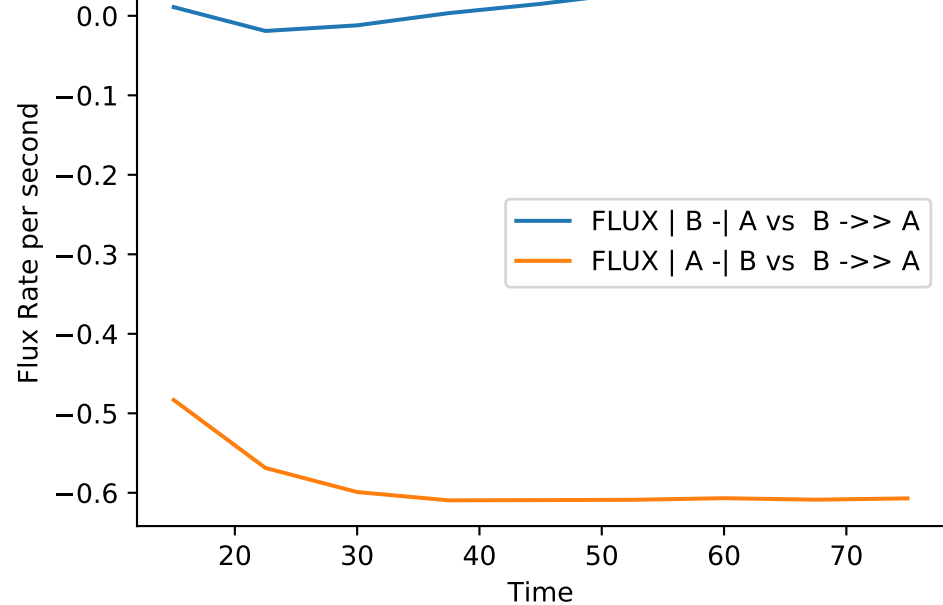
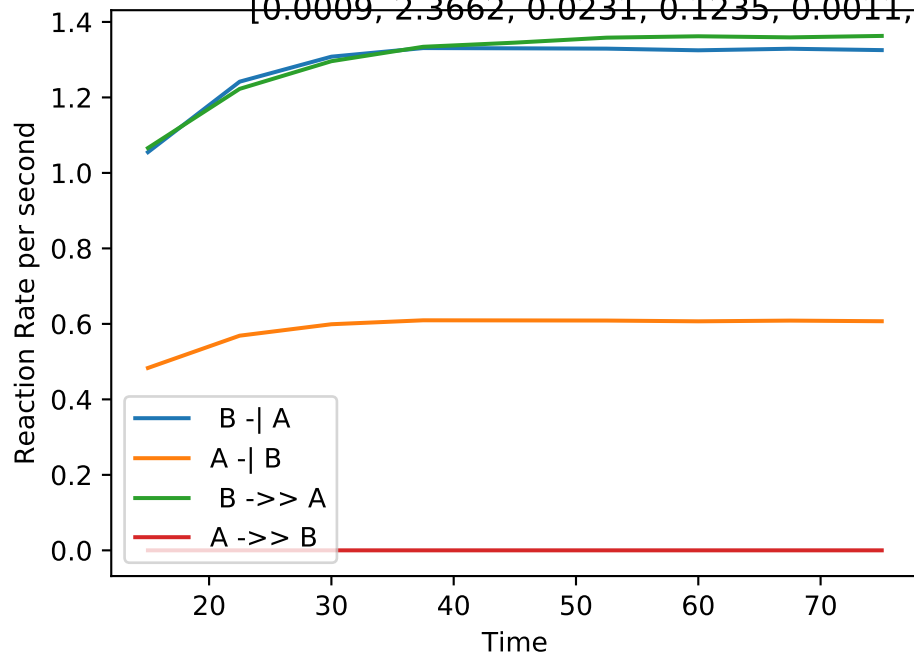
Single_up | MB-LLS Single_up(#223):

[0.0002, 2.4058, 0.0000, 0.1050, 0.001251, 0.0007553, 0.0360, 0.0058, 0.0663, 0.0000]



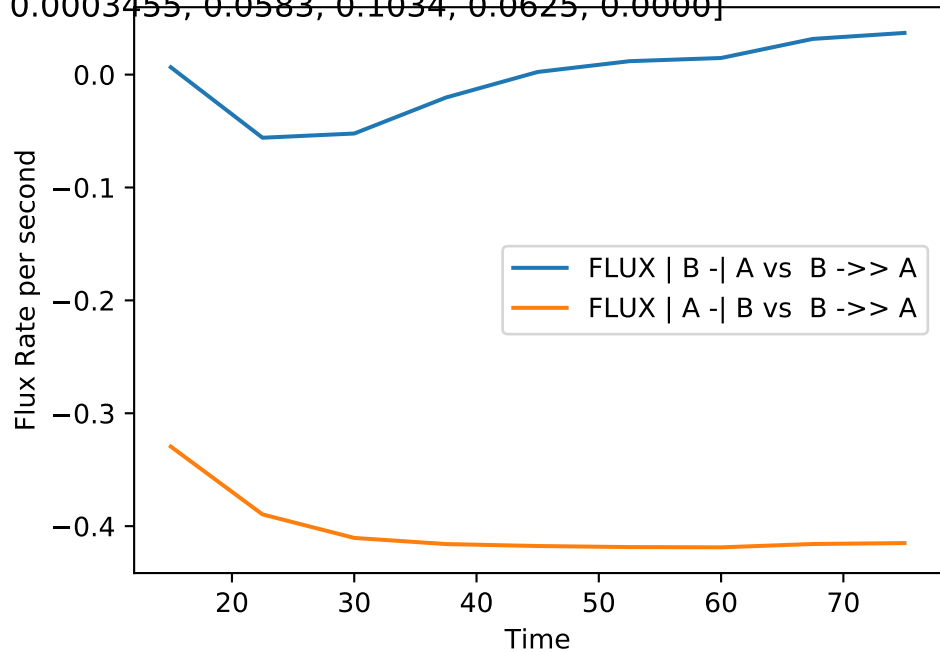
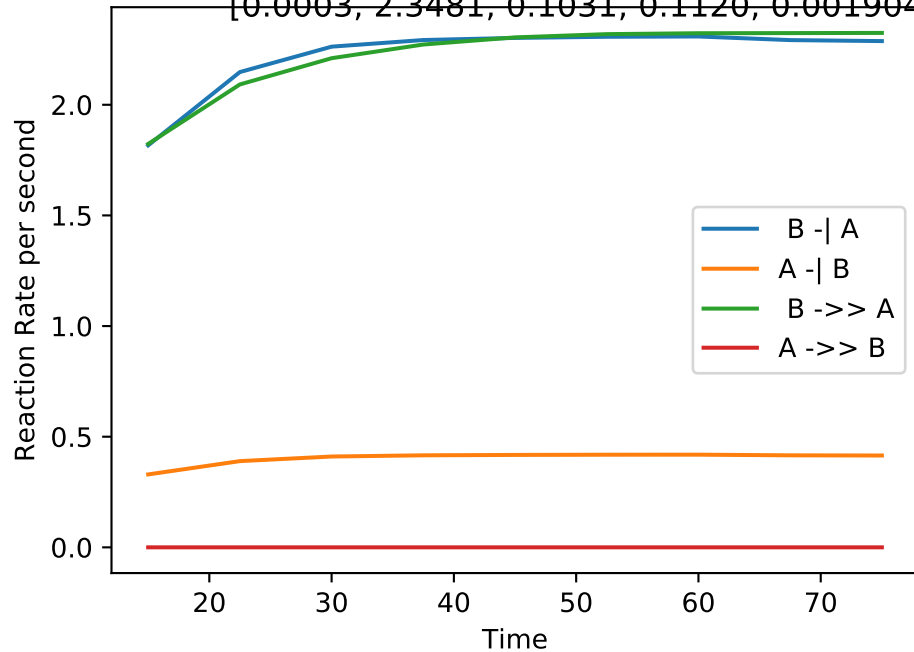
Single_up | MB-LLS Single_up(#224):

[0.0009, 2.3662, 0.0231, 0.1235, 0.0011, 0.0005037, 0.0340, 0.0242, 0.0779, 0.0000]



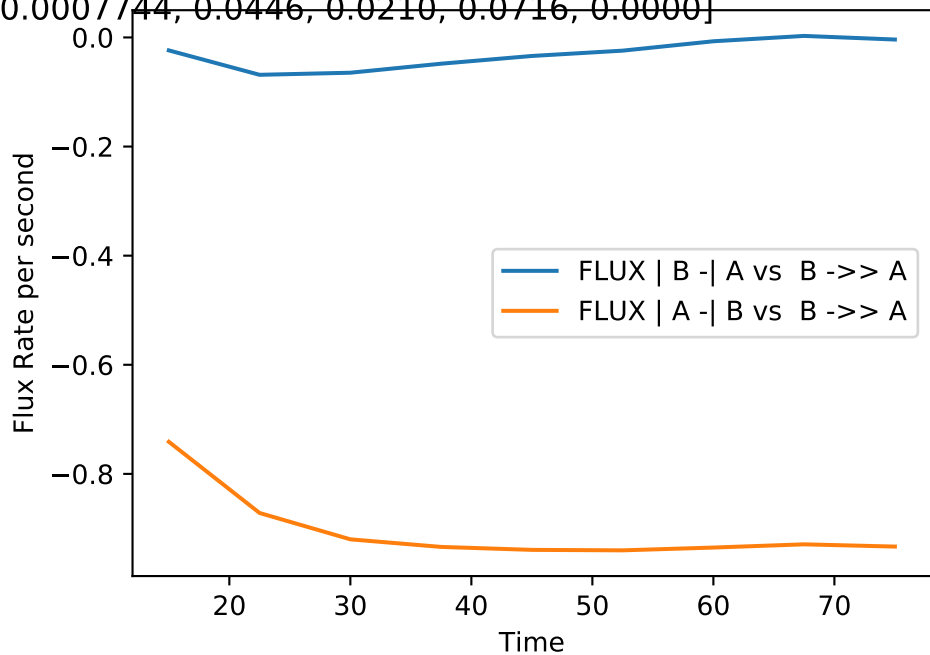
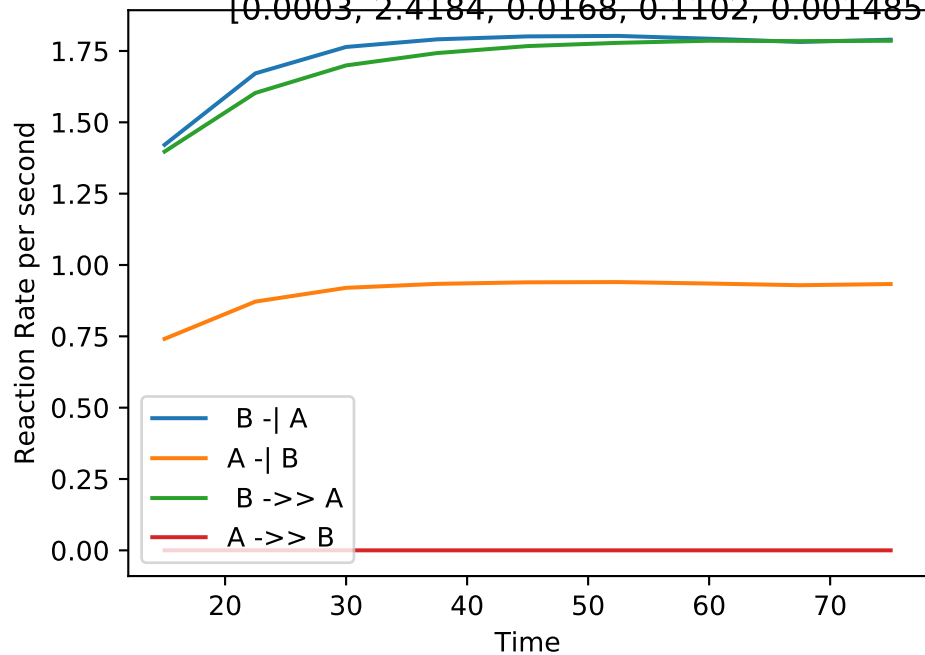
Single_up | MB-LLS Single_up(#225):

[0.0003, 2.3481, 0.1031, 0.1120, 0.001904, 0.0003455, 0.0583, 0.1034, 0.0625, 0.0000]



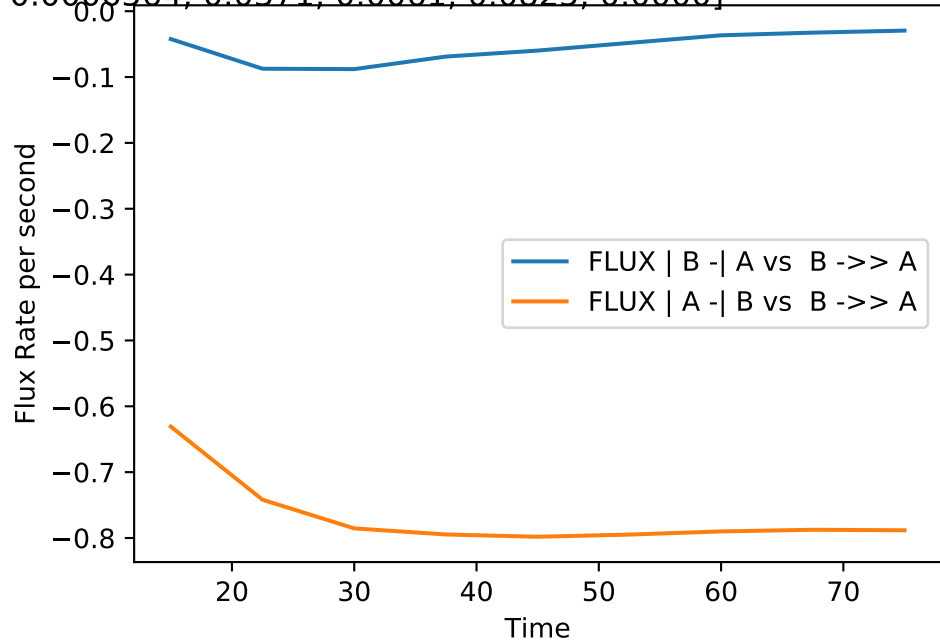
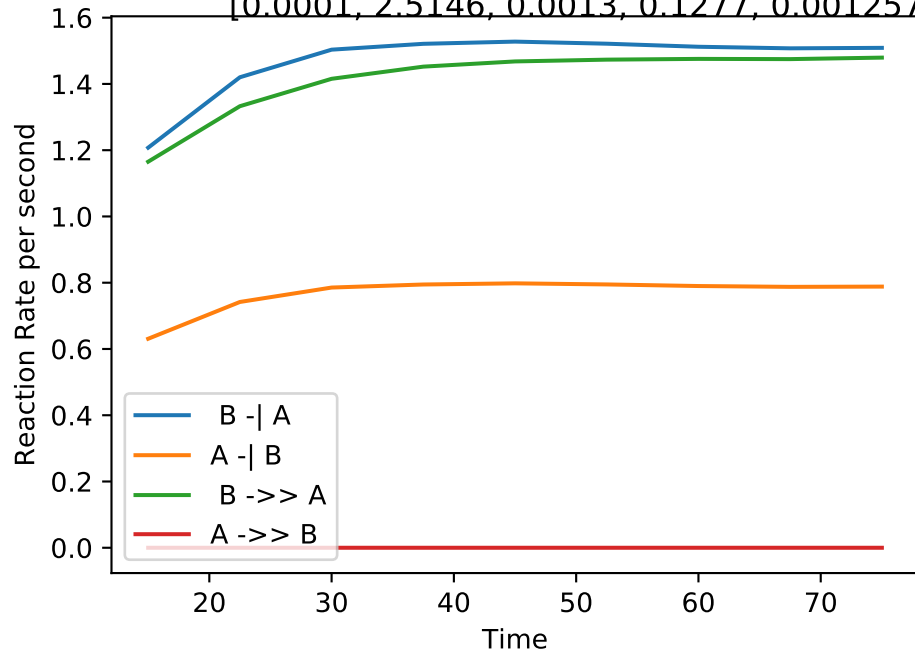
Single_up | MB-LLS Single_up(#226):

[0.0003, 2.4184, 0.0168, 0.1102, 0.001485, 0.0007744, 0.0446, 0.0210, 0.0716, 0.0000]



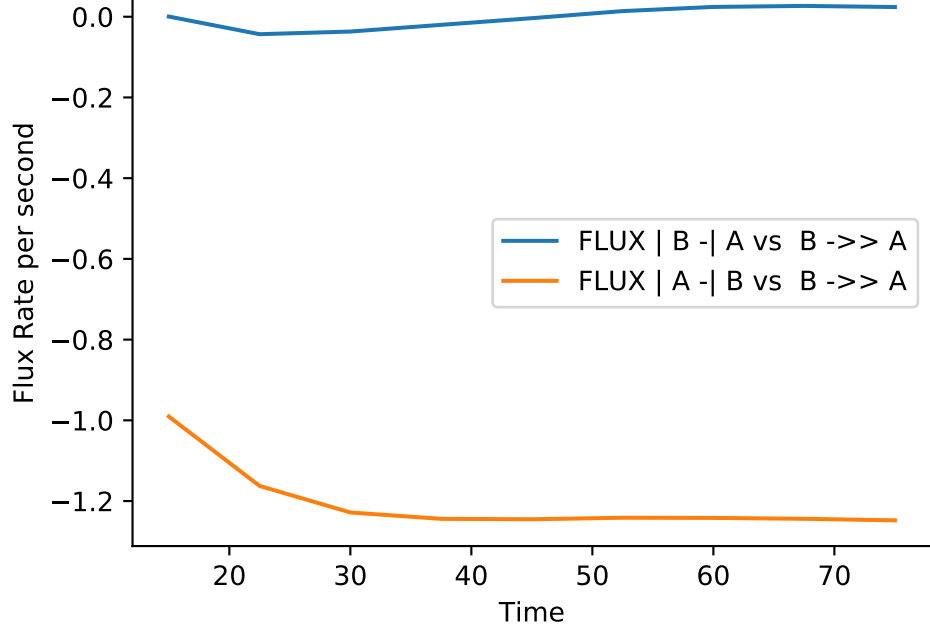
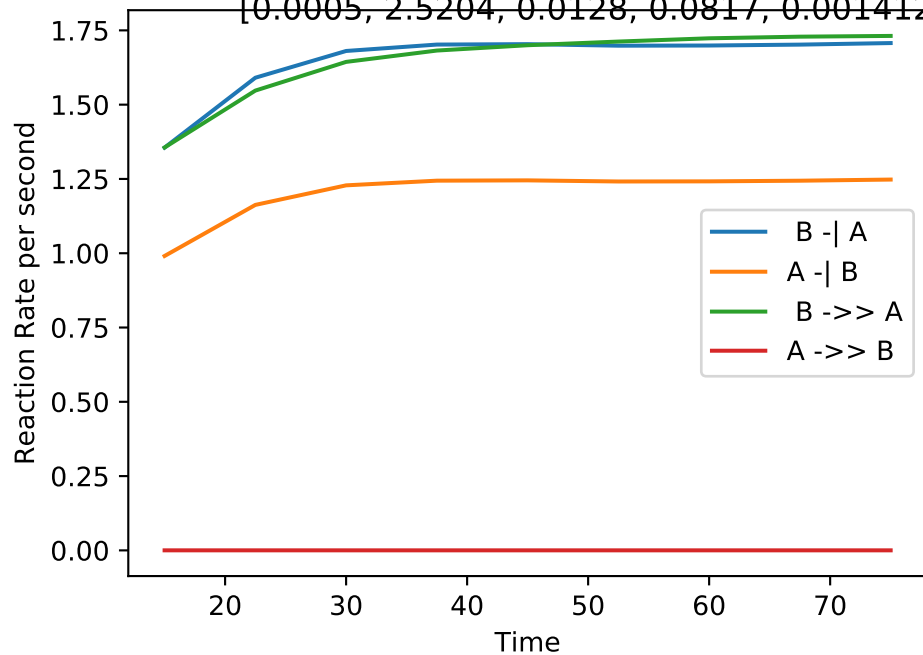
Single_up | MB-LLS Single_up(#227):

[0.0001, 2.5146, 0.0013, 0.1277, 0.001257, 0.0006564, 0.0371, 0.0061, 0.0825, 0.0000]



Single_up | MB-LLS Single_up(#228):

[0.0005, 2.5204, 0.0128, 0.0817, 0.001412, 0.001032, 0.0431, 0.0162, 0.0494, 0.0000]



Single_up | MB-LLS Single_up(#229):

[0.0001, 2.4072, 0.0389, 0.0803, 0.001713, 0.0008482, 0.0503, 0.0440, 0.0455, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

— B -| A
— A -| B
— B ->> A
— A ->> B

Time

Flux Rate per second

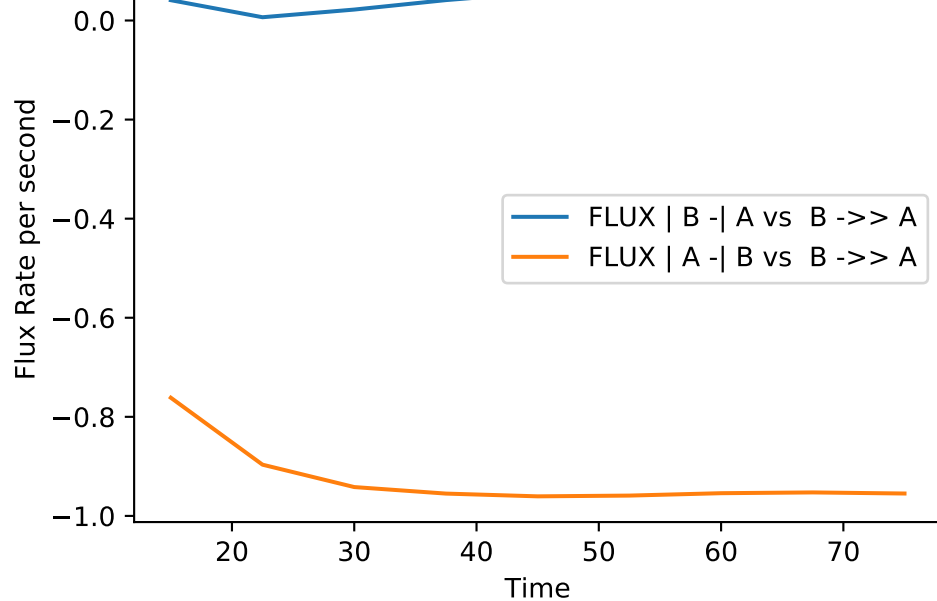
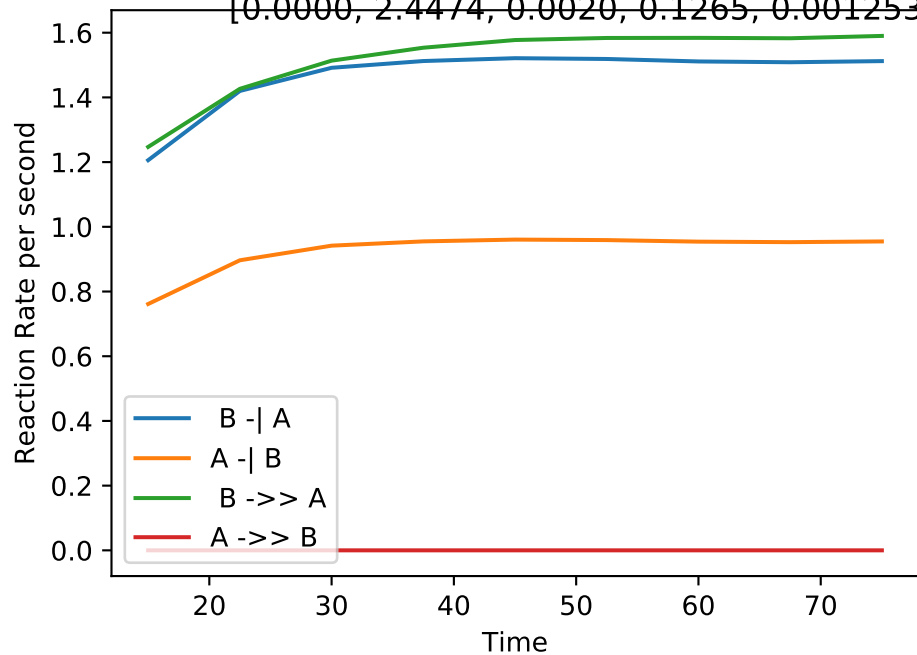
-0.2
-0.4
-0.6
-0.8
-1.0

— FLUX | B -| A vs B ->> A
— FLUX | A -| B vs B ->> A

Time

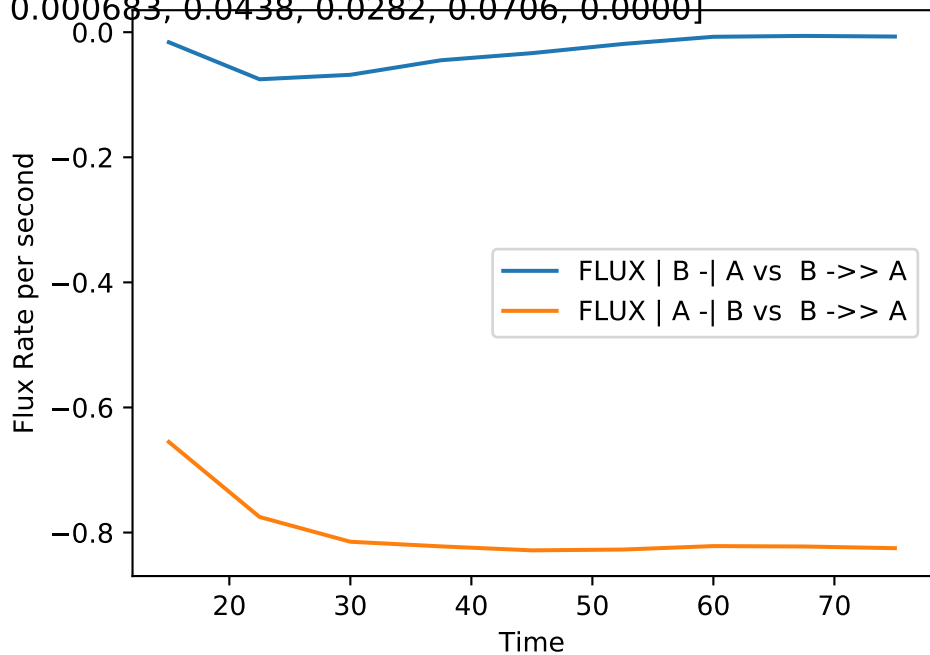
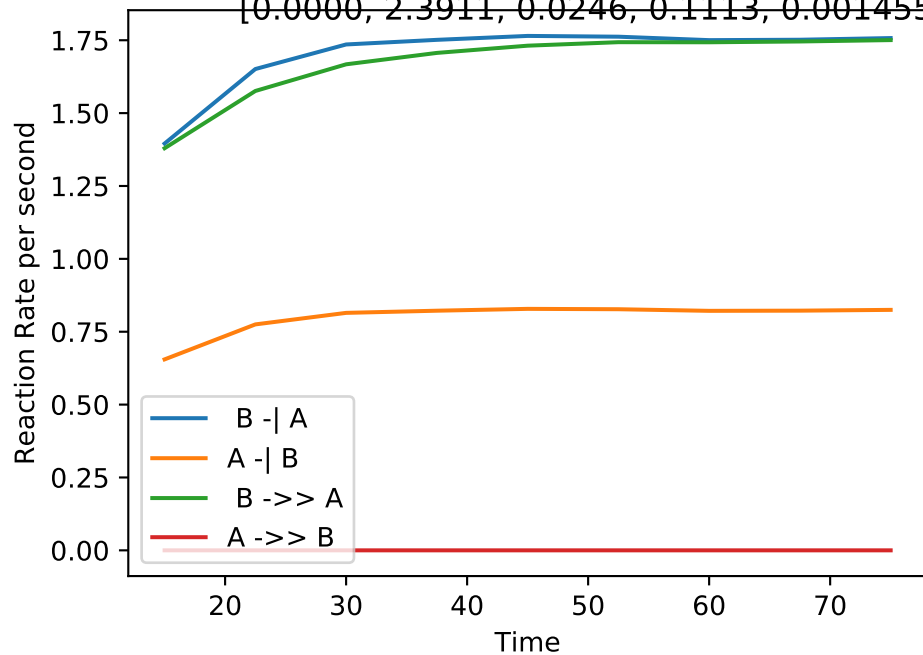
Single_up | MB-LLS Single_up(#230):

[0.0000, 2.4474, 0.0020, 0.1265, 0.001253, 0.0007913, 0.0397, 0.0039, 0.0871, 0.0000]



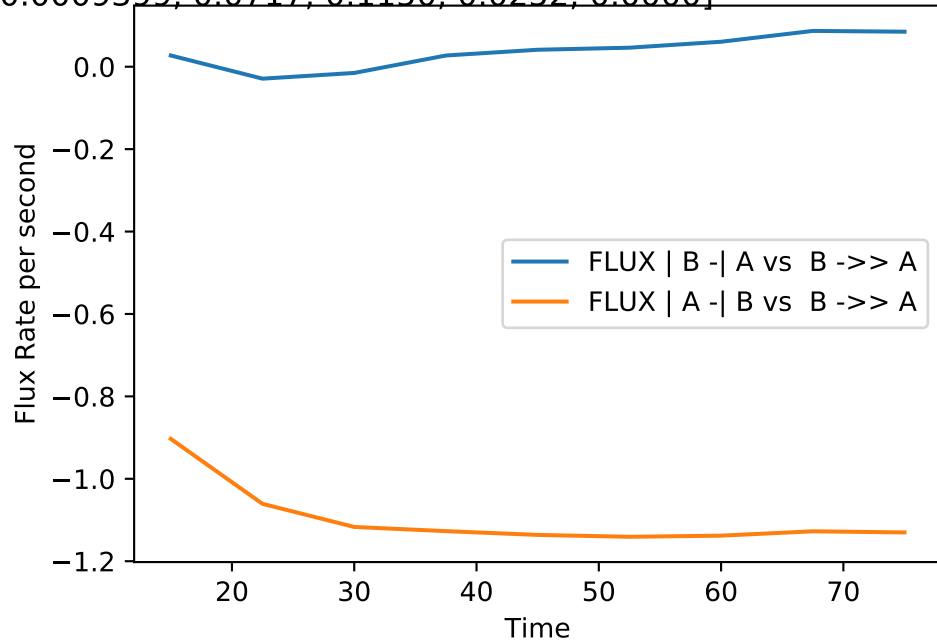
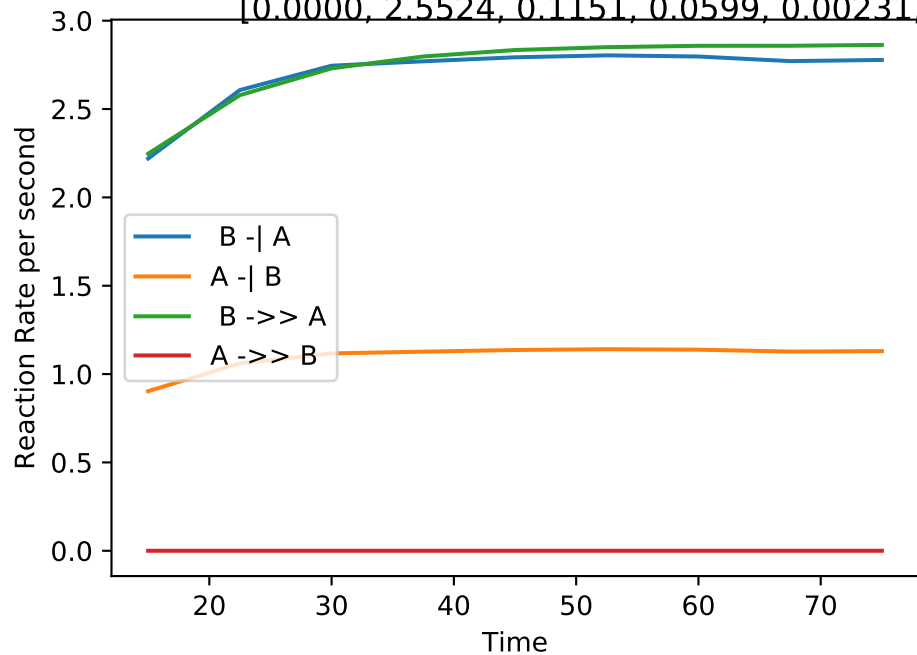
Single_up | MB-LLS Single_up(#231):

[0.0000, 2.3911, 0.0246, 0.1113, 0.001455, 0.000683, 0.0438, 0.0282, 0.0706, 0.0000]



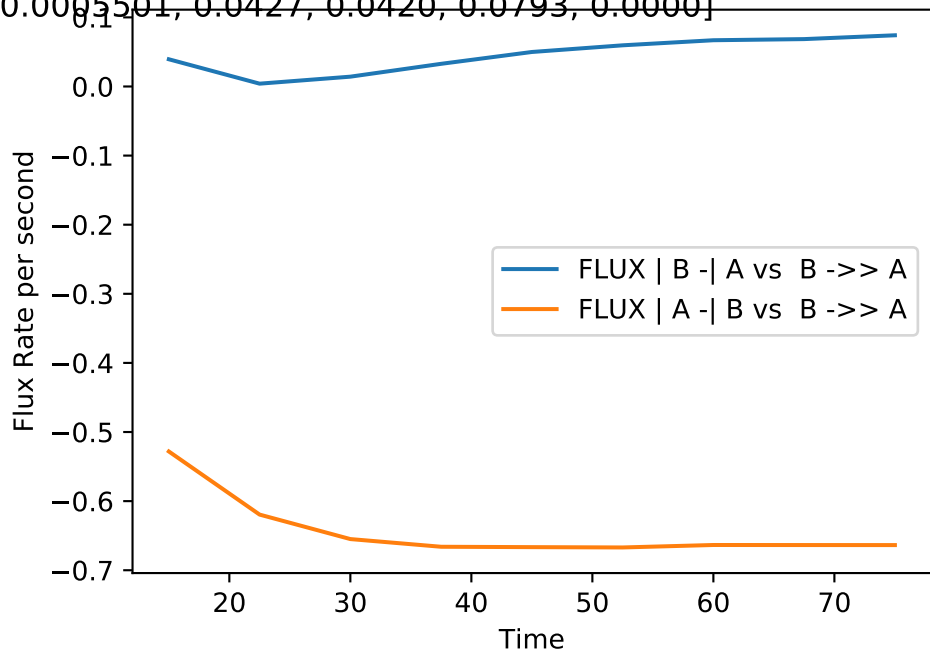
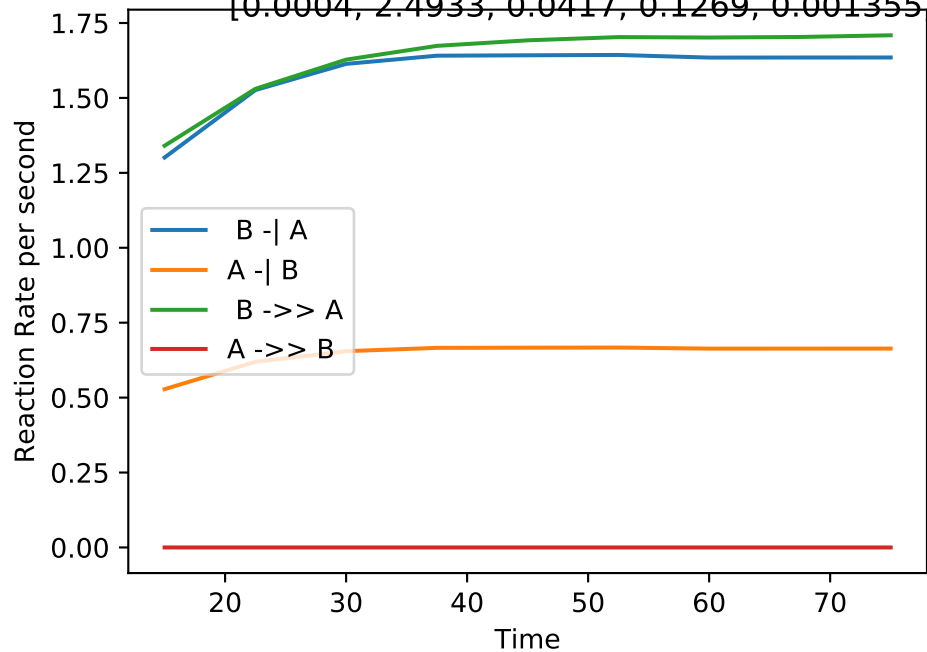
Single_up | MB-LLS Single_up(#232):

[0.0000, 2.5524, 0.1151, 0.0599, 0.00231, 0.0009399, 0.0717, 0.1150, 0.0252, 0.0000]



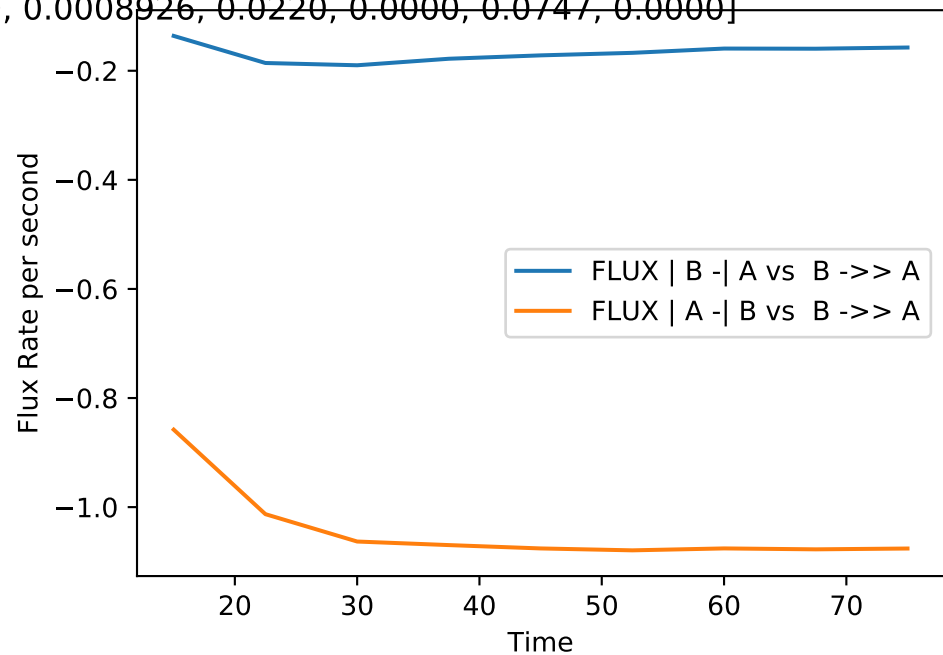
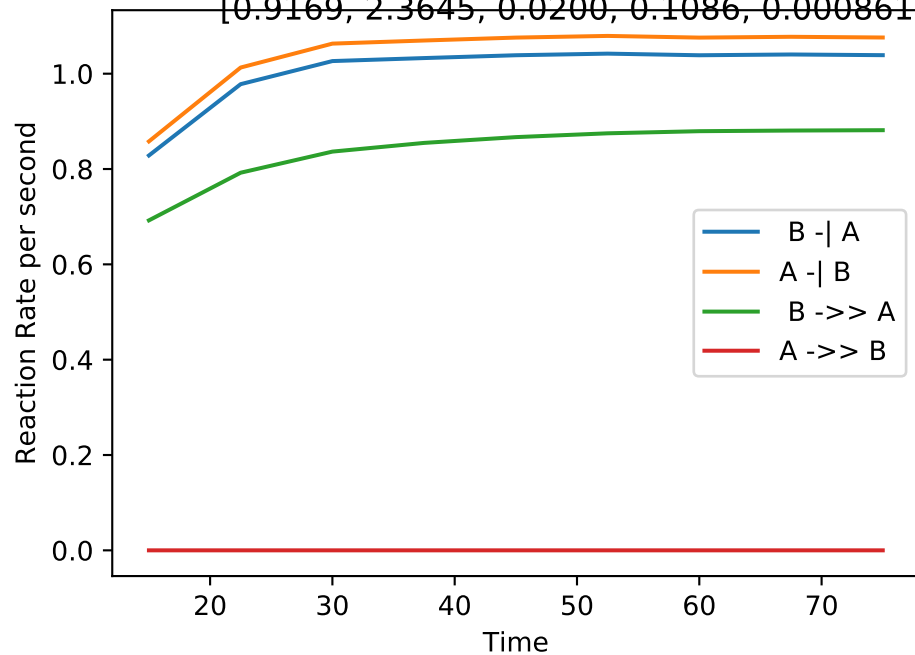
Single_up | MB-LLS Single_up(#233):

[0.0004, 2.4933, 0.0417, 0.1269, 0.001355, 0.0005501, 0.0427, 0.0420, 0.0793, 0.0000]



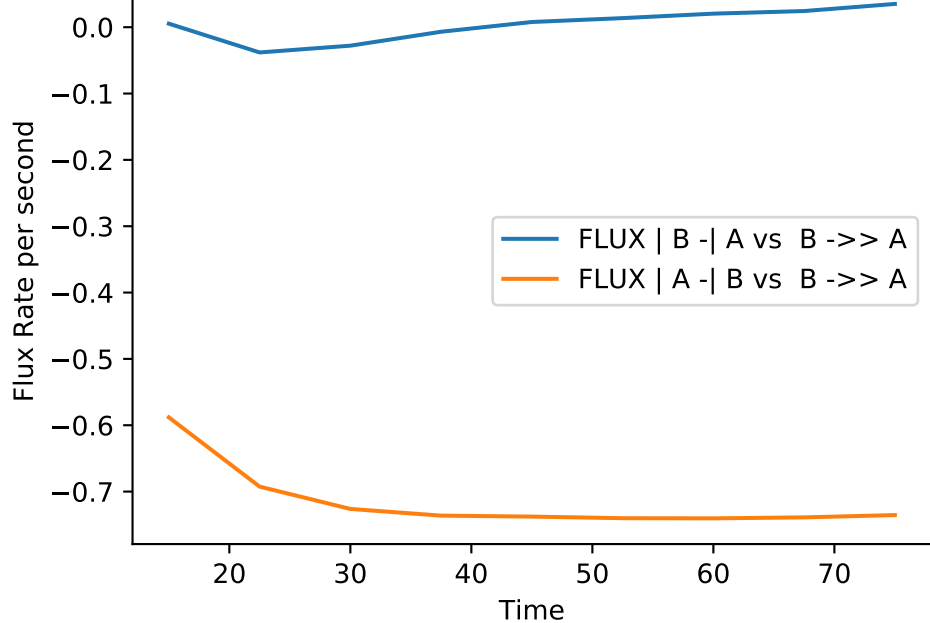
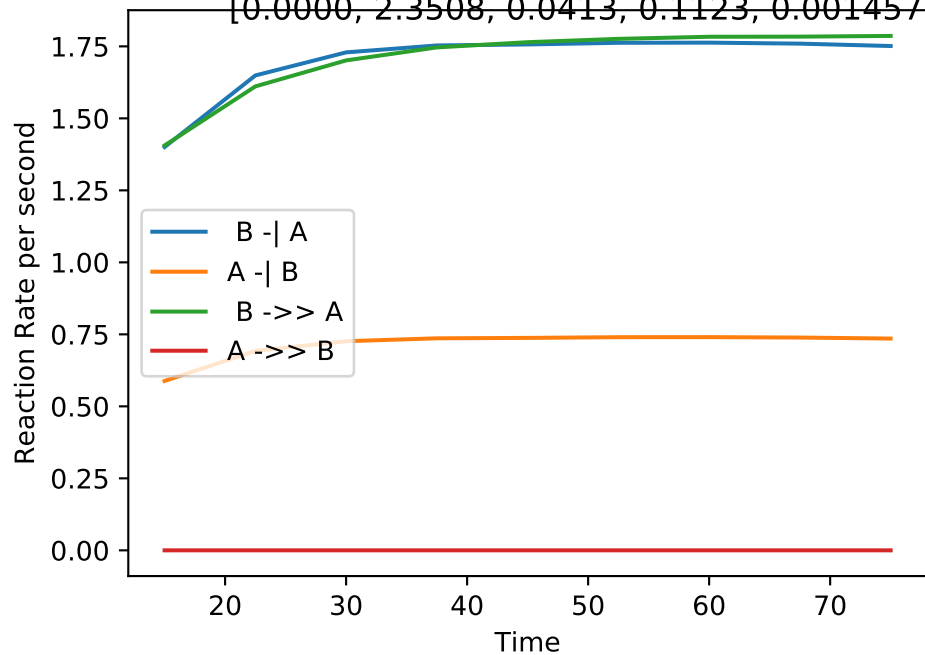
Single_up | MB-LLS Single_up(#234):

[0.9169, 2.3645, 0.0200, 0.1086, 0.0008619, 0.0008926, 0.0220, 0.0000, 0.0747, 0.0000]



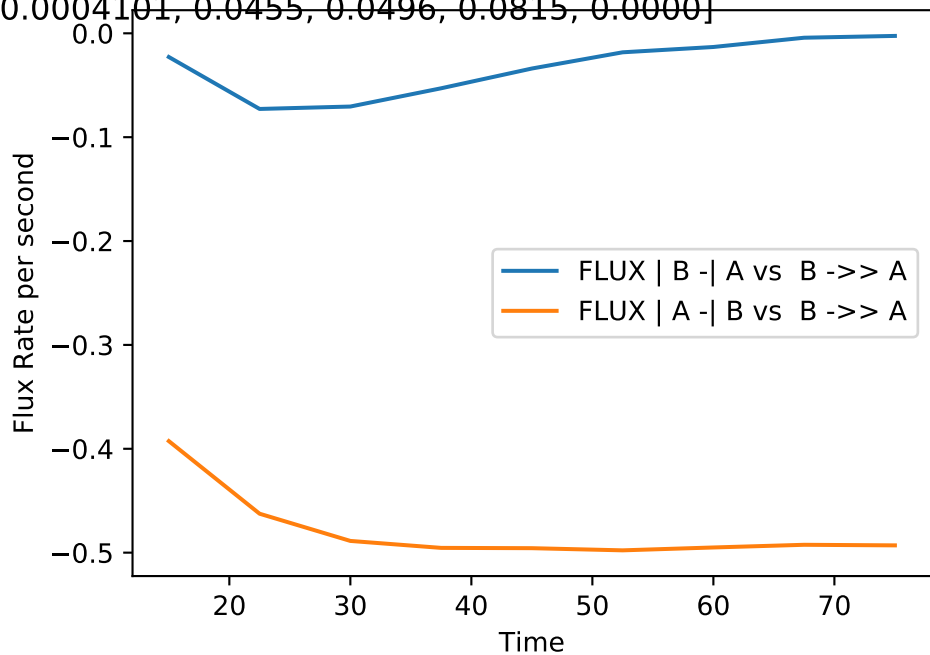
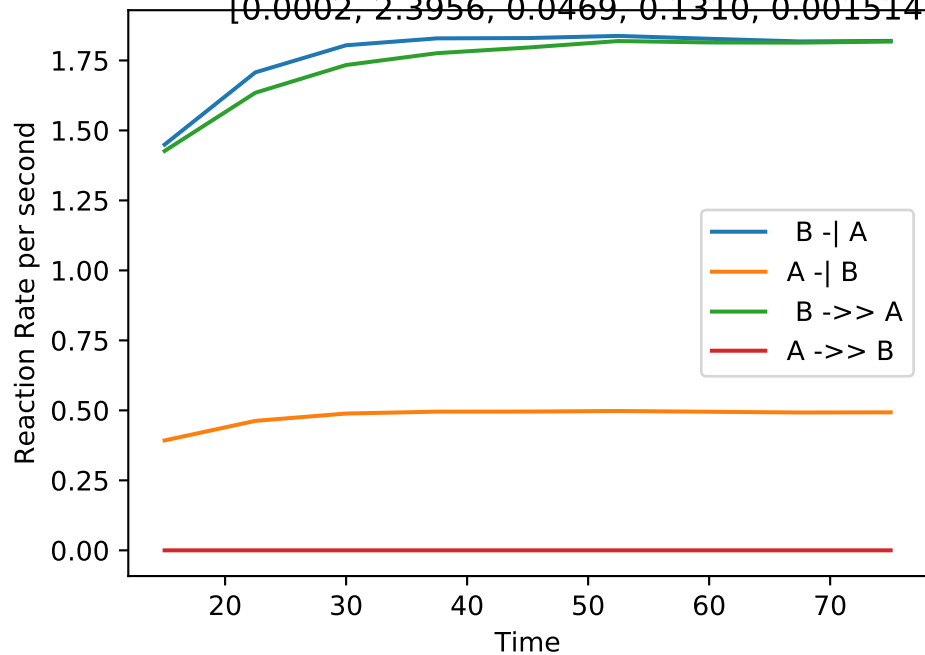
Single_up | MB-LLS Single_up(#235):

[0.0000, 2.3508, 0.0413, 0.1123, 0.001457, 0.0006118, 0.0447, 0.0431, 0.0704, 0.0000]



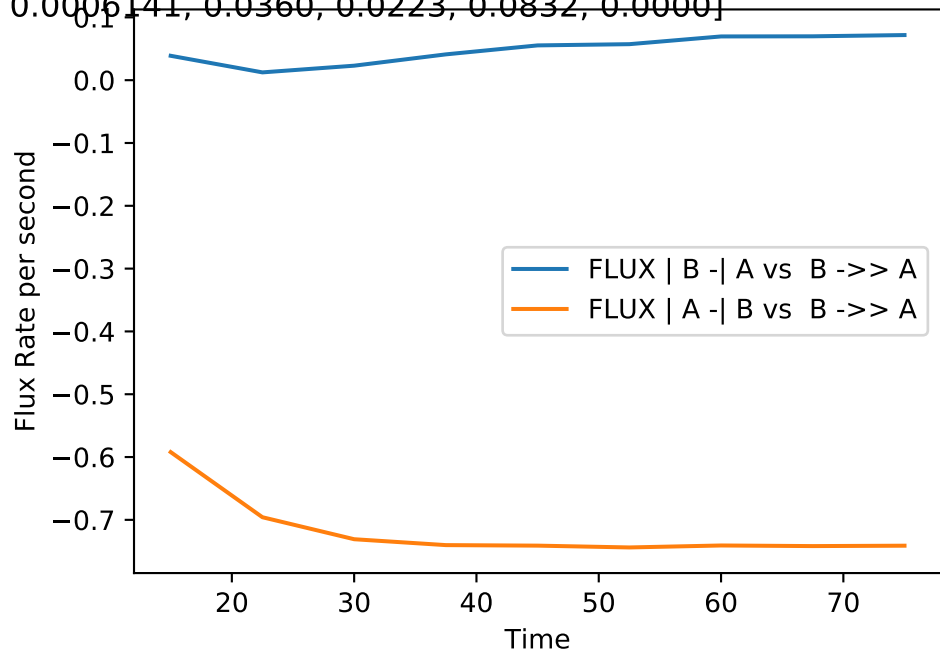
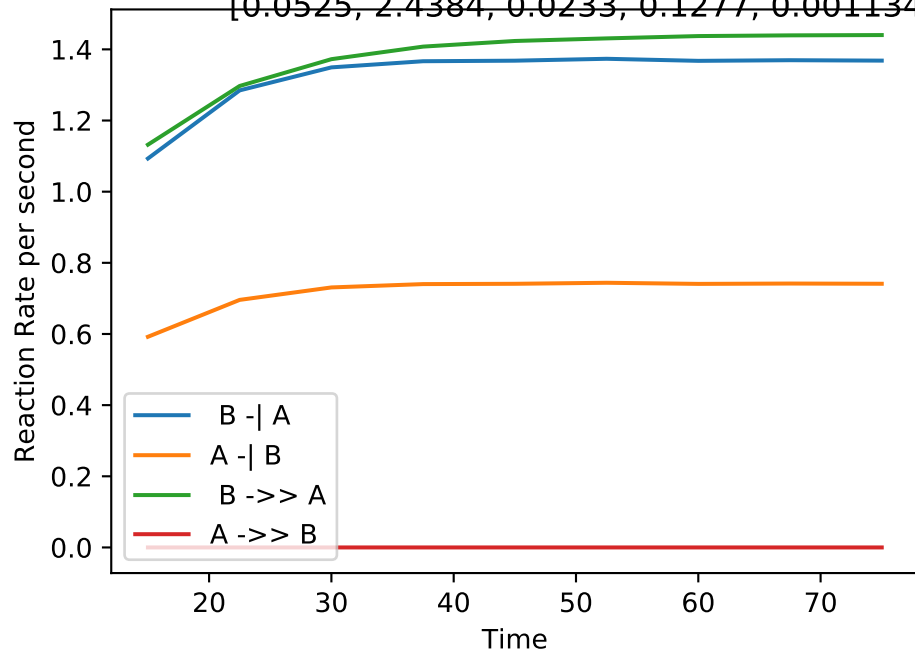
Single_up | MB-LLS Single_up(#236):

[0.0002, 2.3956, 0.0469, 0.1310, 0.001514, 0.0004101, 0.0455, 0.0496, 0.0815, 0.0000]



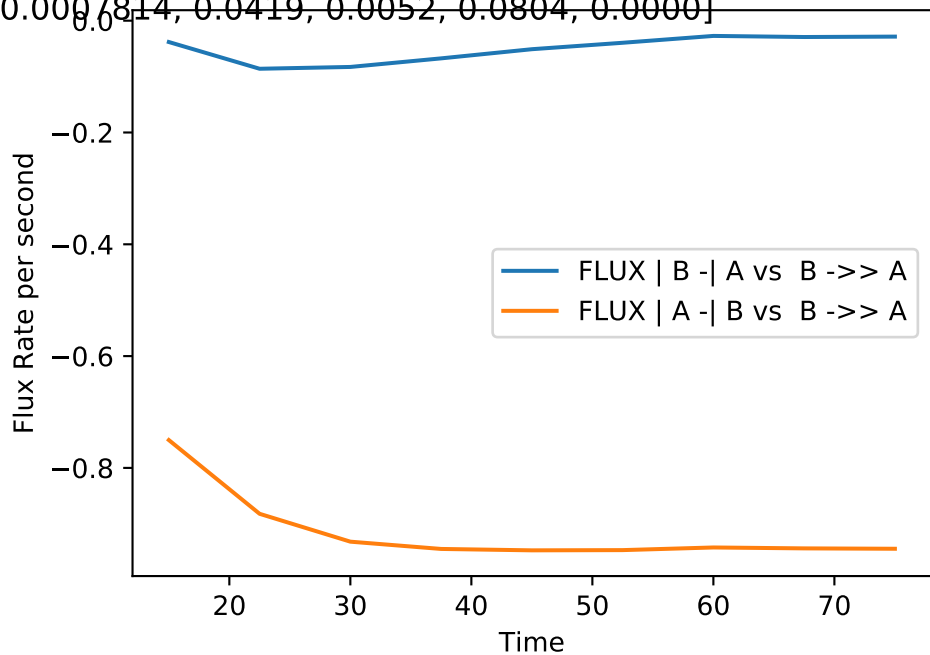
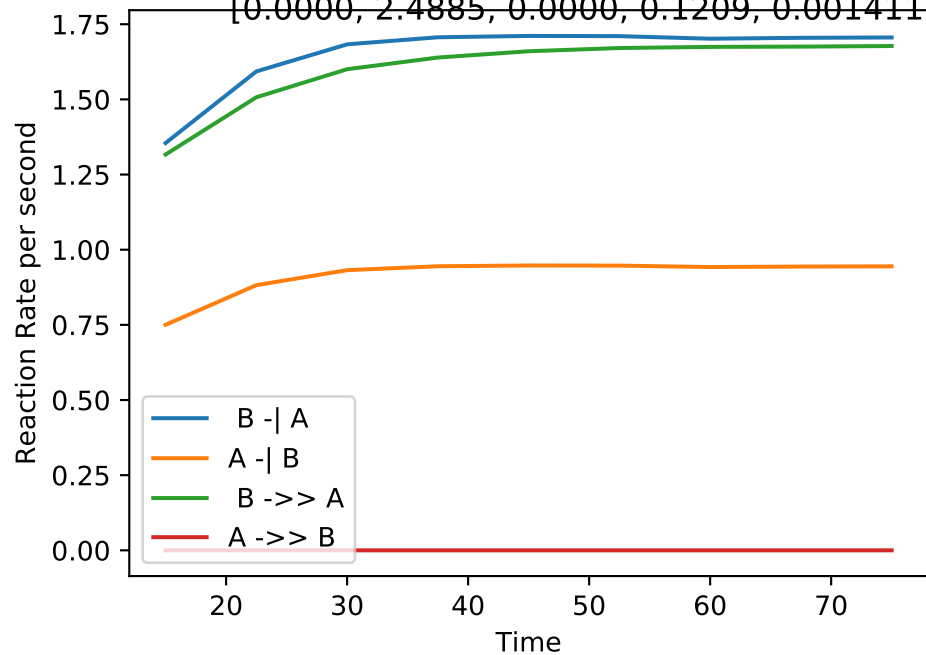
Single_up | MB-LLS Single_up(#237):

[0.0525, 2.4384, 0.0233, 0.1277, 0.001134, 0.0006141, 0.0360, 0.0223, 0.0832, 0.0000]



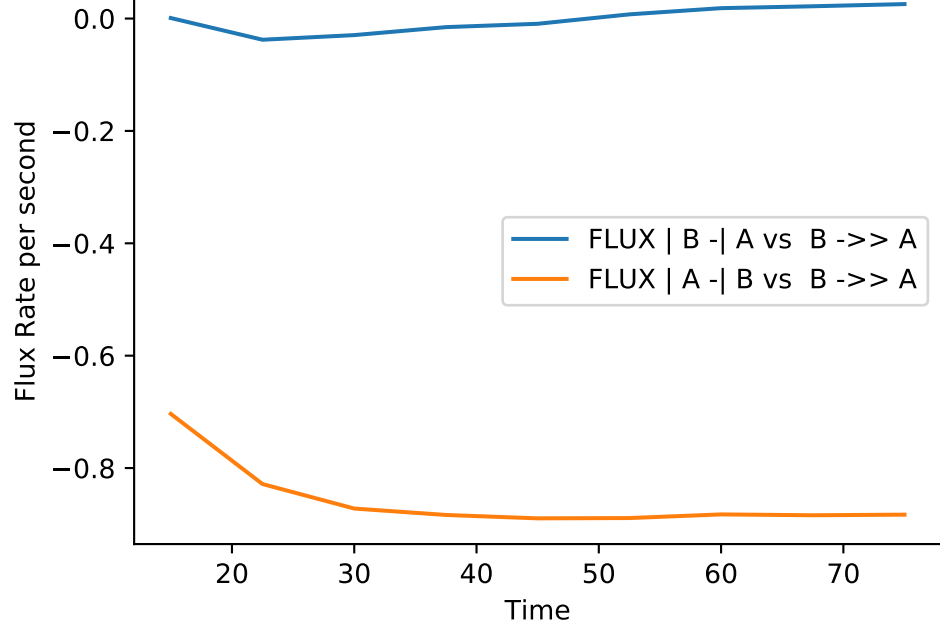
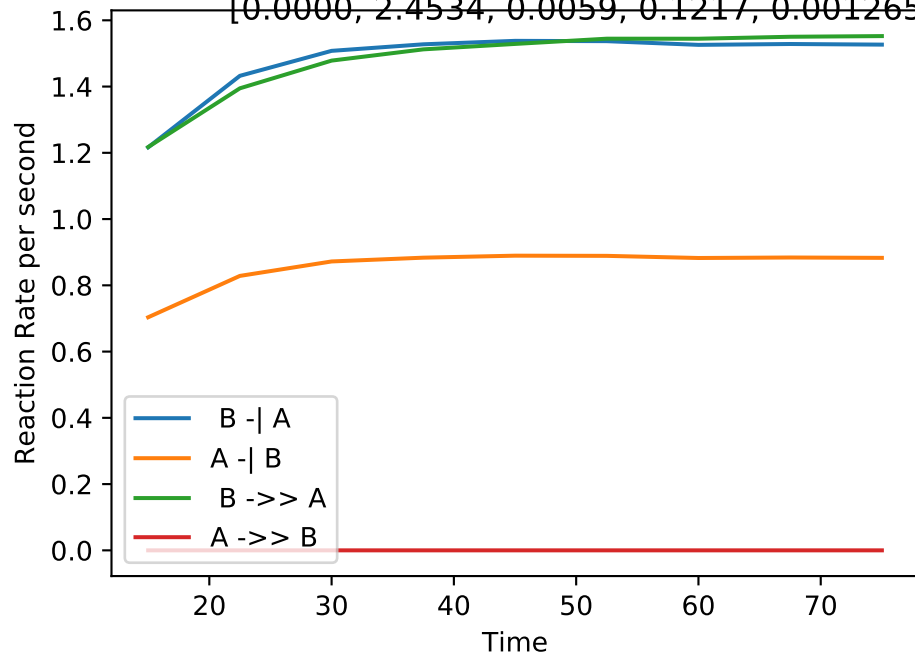
Single_up | MB-LLS Single_up(#238):

[0.0000, 2.4885, 0.0000, 0.1209, 0.001411, 0.0007814, 0.0419, 0.0052, 0.0804, 0.0000]



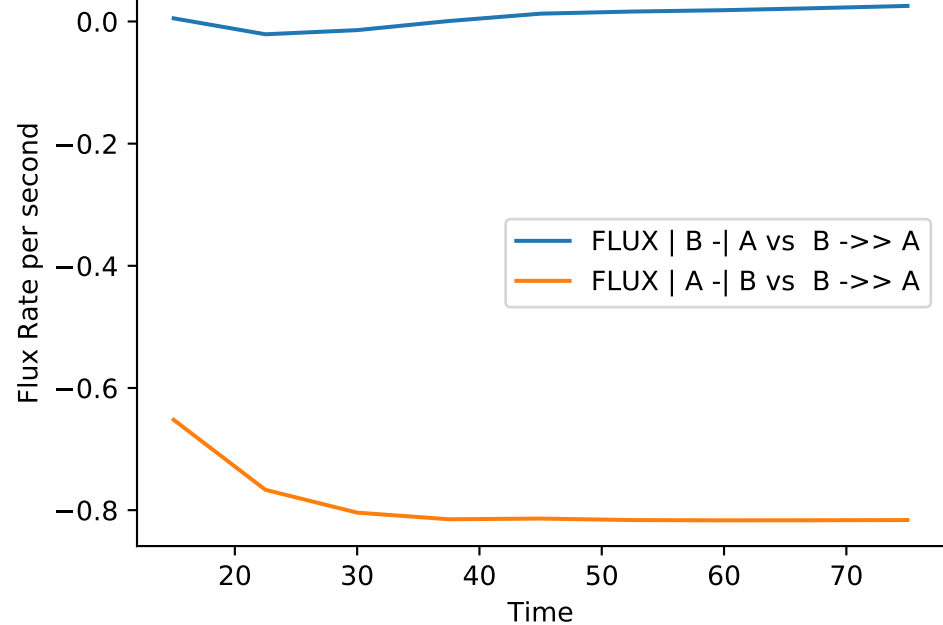
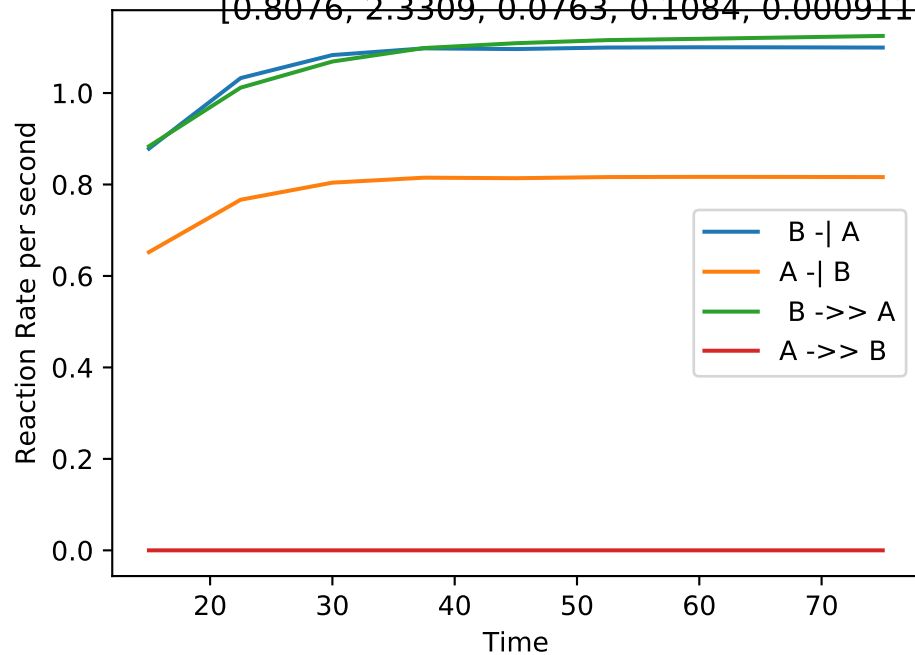
Single_up | MB-LLS Single_up(#239):

[0.0000, 2.4534, 0.0059, 0.1217, 0.001265, 0.0007316, 0.0387, 0.0091, 0.0805, 0.0000]



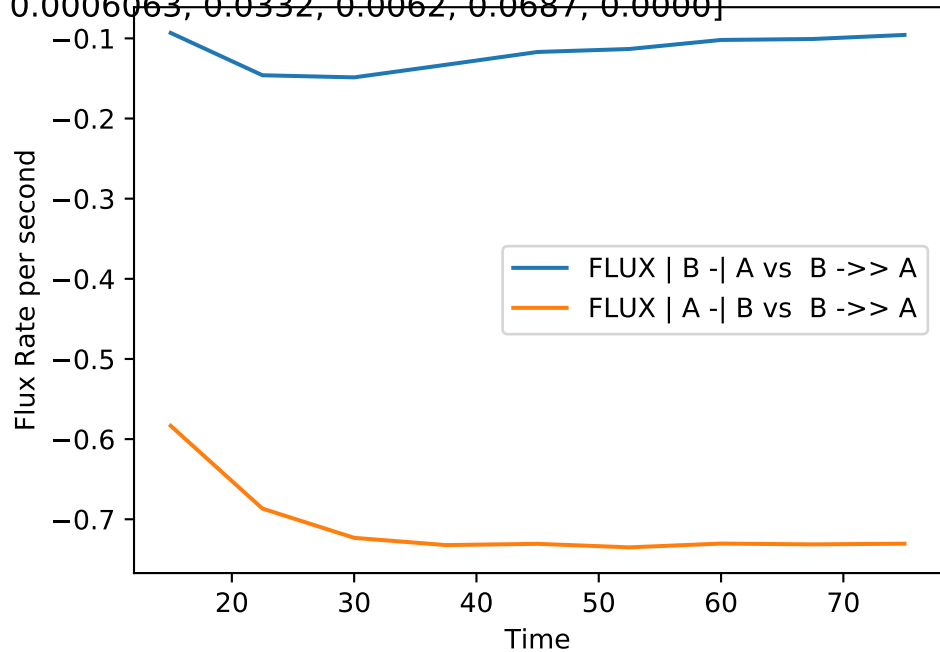
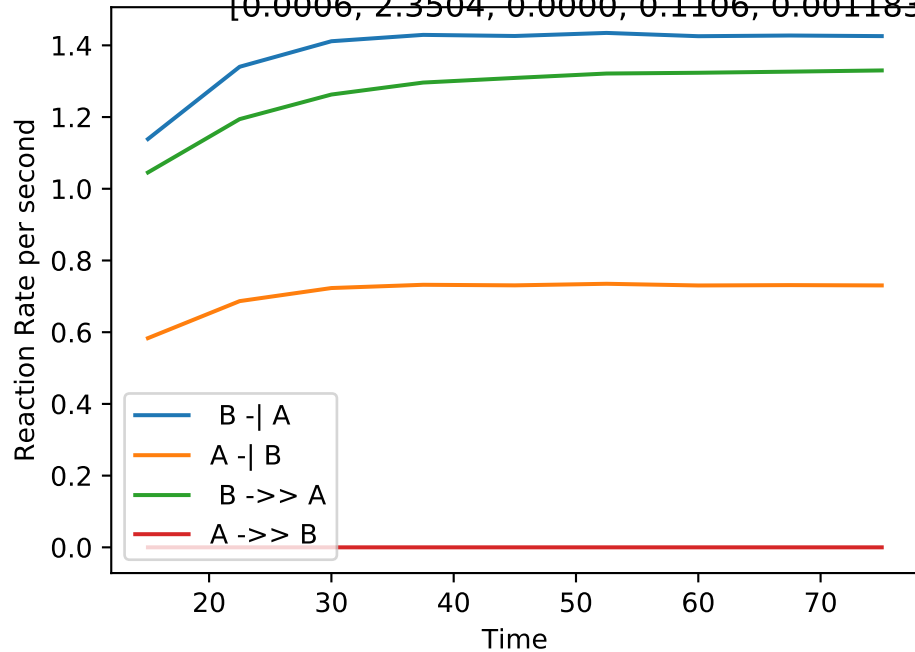
Single_up | MB-LLS Single_up(#240):

[0.8076, 2.3309, 0.0763, 0.1084, 0.0009115, 0.0006767, 0.0281, 0.0518, 0.0692, 0.0000]



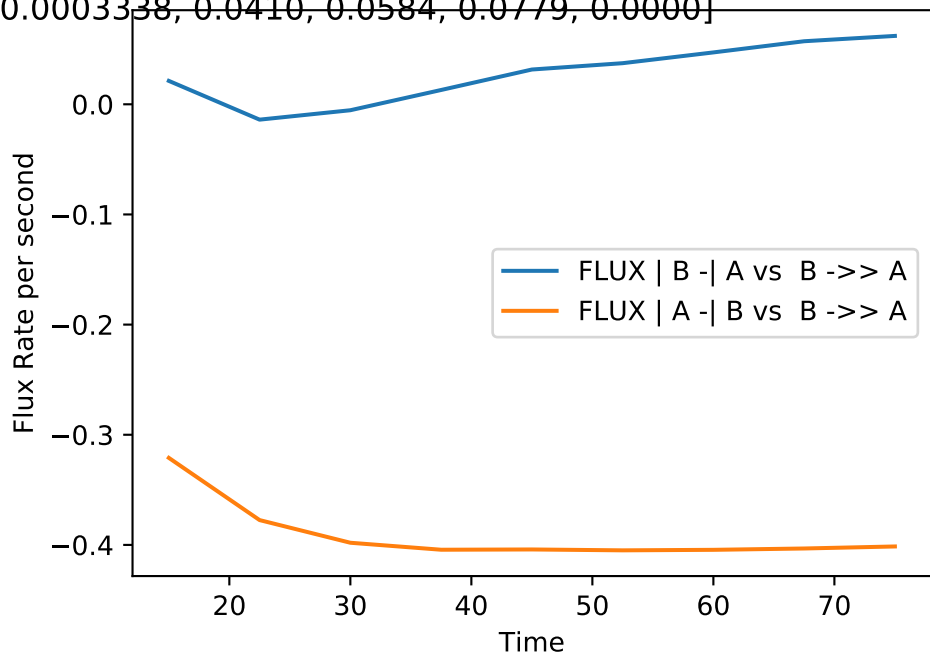
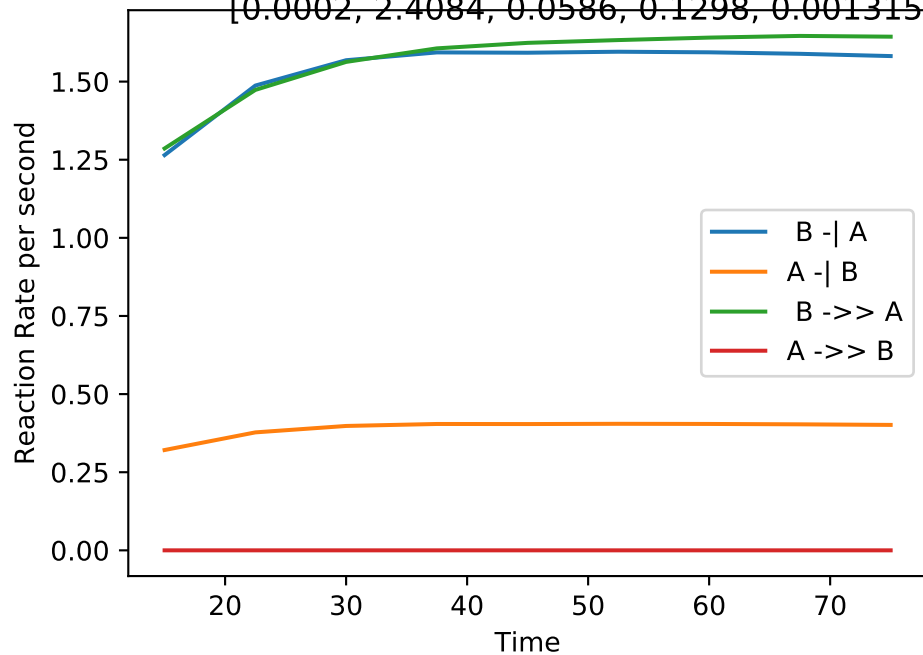
Single_up | MB-LLS Single_up(#241):

[0.0006, 2.3504, 0.0000, 0.1106, 0.001183, 0.0006063, 0.0332, 0.0062, 0.0687, 0.0000]



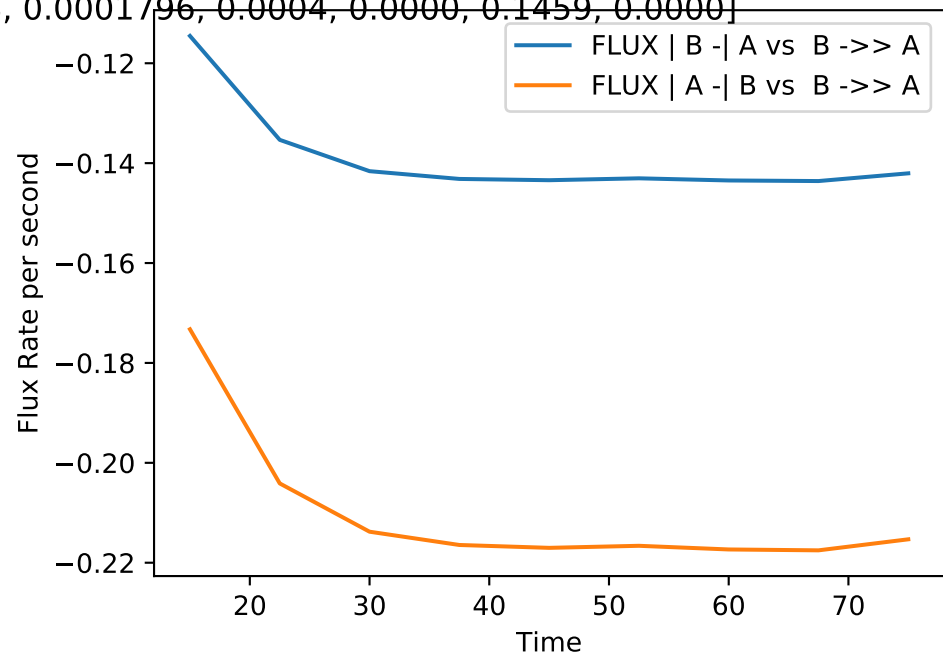
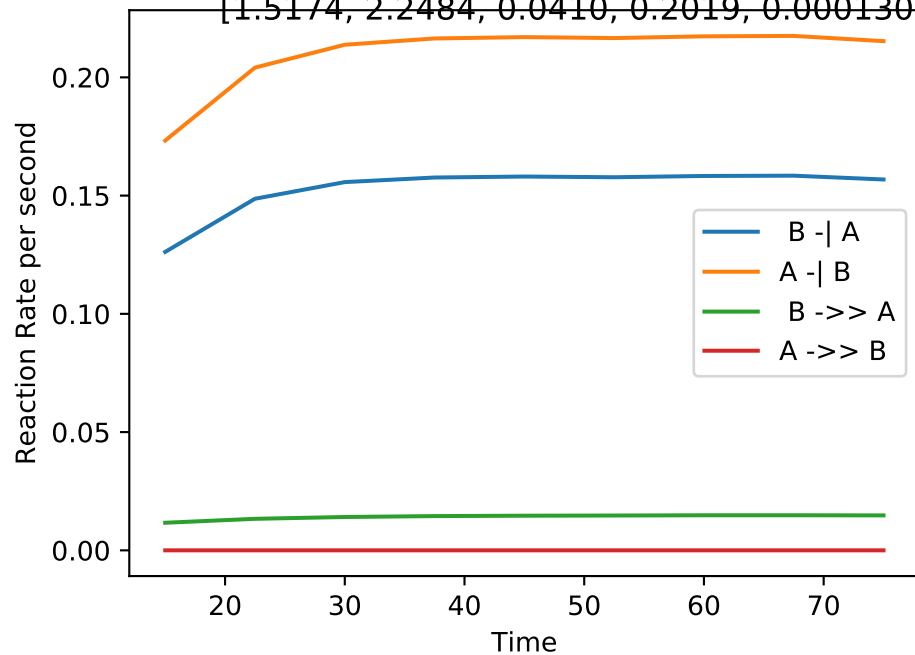
Single_up | MB-LLS Single_up(#242):

[0.0002, 2.4084, 0.0586, 0.1298, 0.001315, 0.0003338, 0.0410, 0.0584, 0.0779, 0.0000]



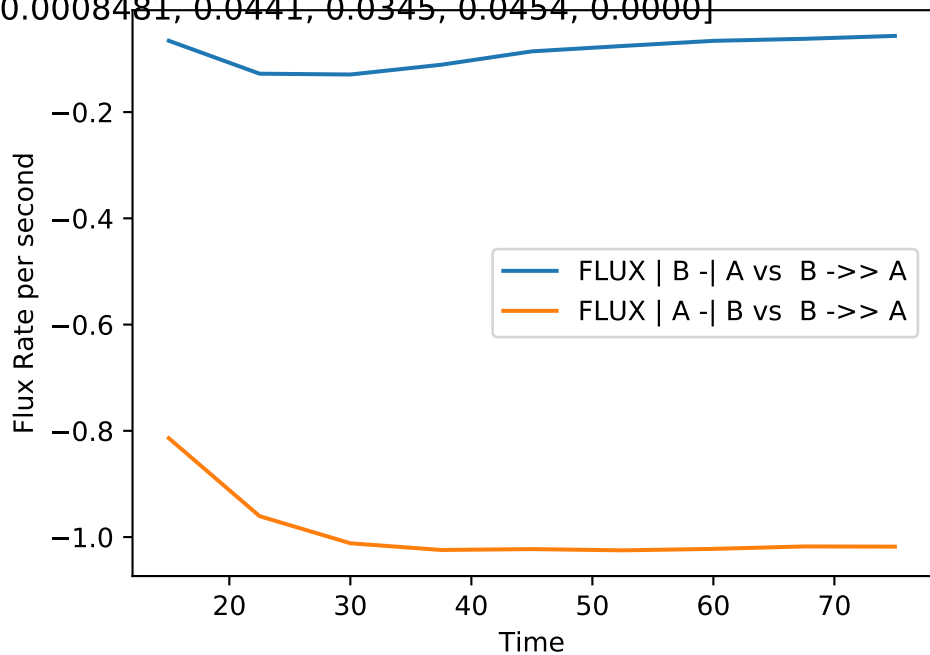
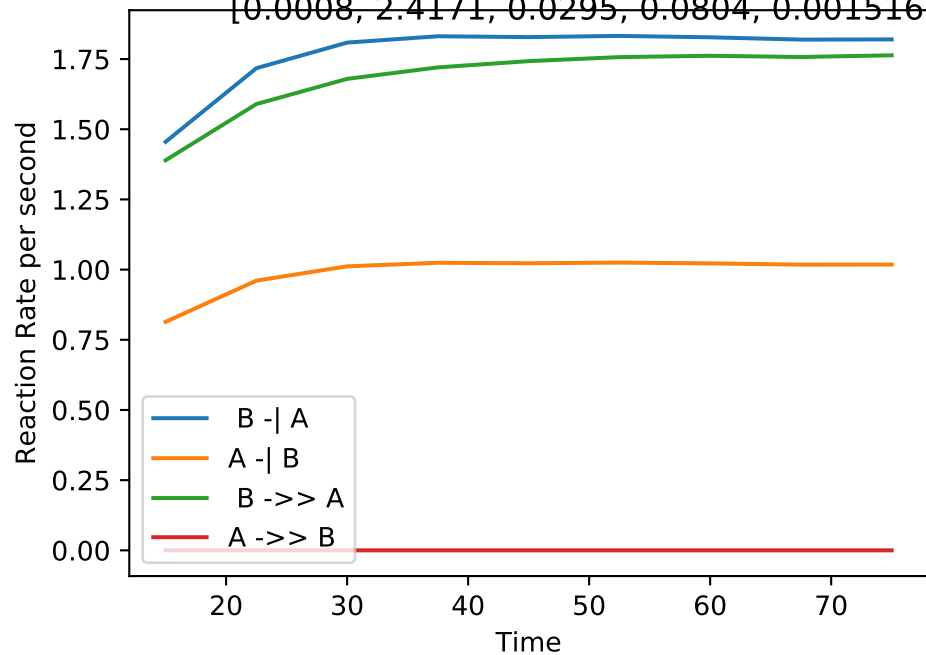
Single_up | MB-LLS Single_up(#243):

[1.5174, 2.2484, 0.0410, 0.2019, 0.0001308, 0.0001796, 0.0004, 0.0000, 0.1459, 0.0000]



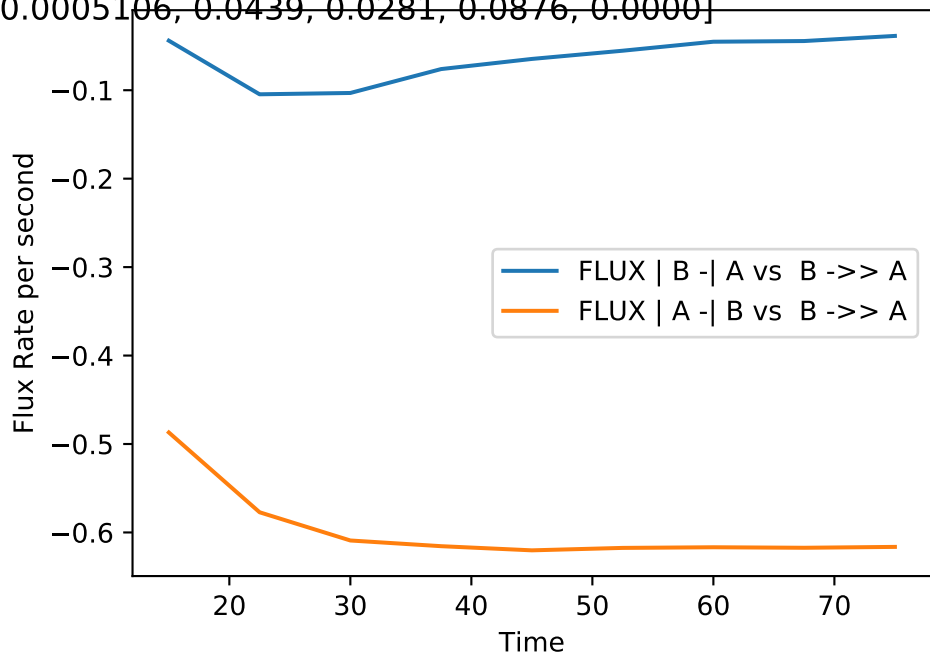
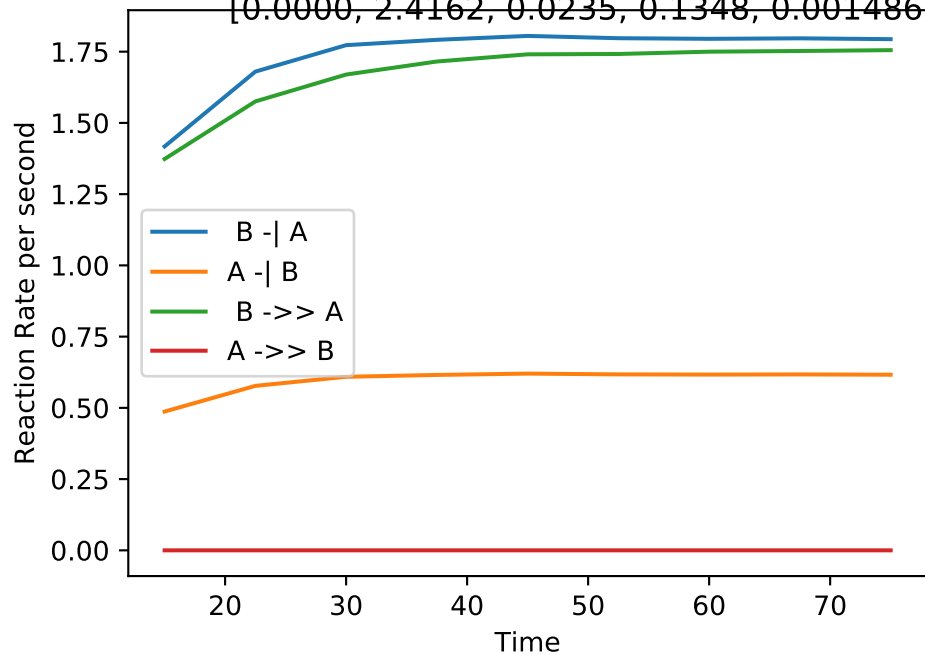
Single_up | MB-LLS Single_up(#244):

[0.0008, 2.4171, 0.0295, 0.0804, 0.001516, 0.0008481, 0.0441, 0.0345, 0.0454, 0.0000]



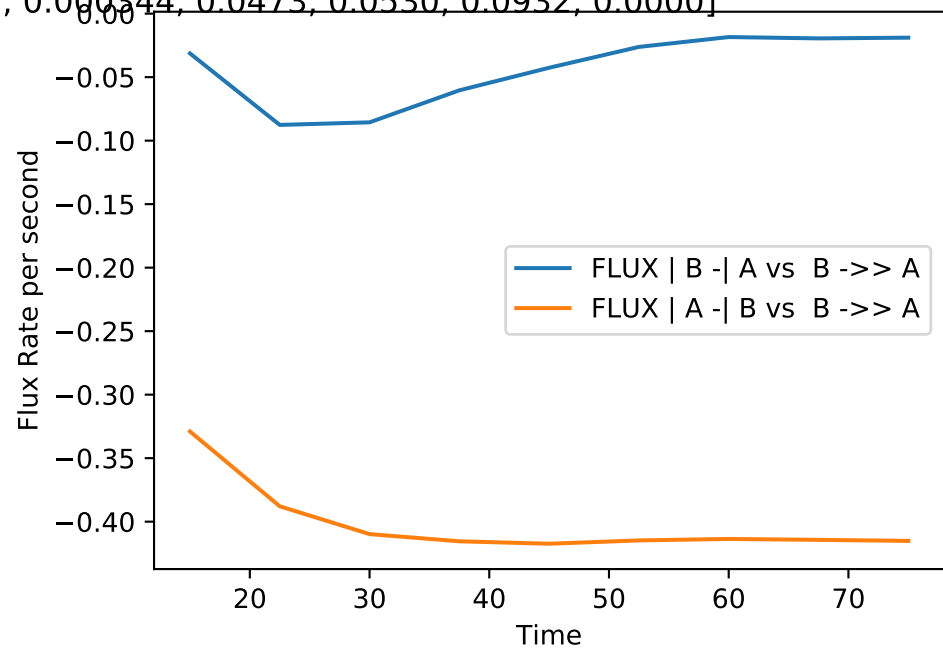
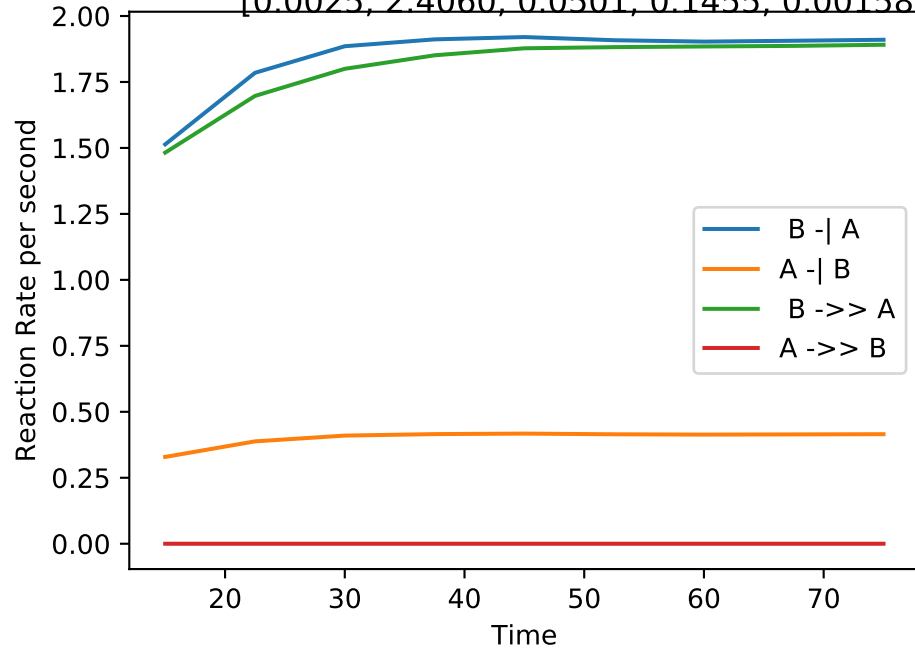
Single_up | MB-LLS Single_up(#245):

[0.0000, 2.4162, 0.0235, 0.1348, 0.001486, 0.0005106, 0.0439, 0.0281, 0.0876, 0.0000]



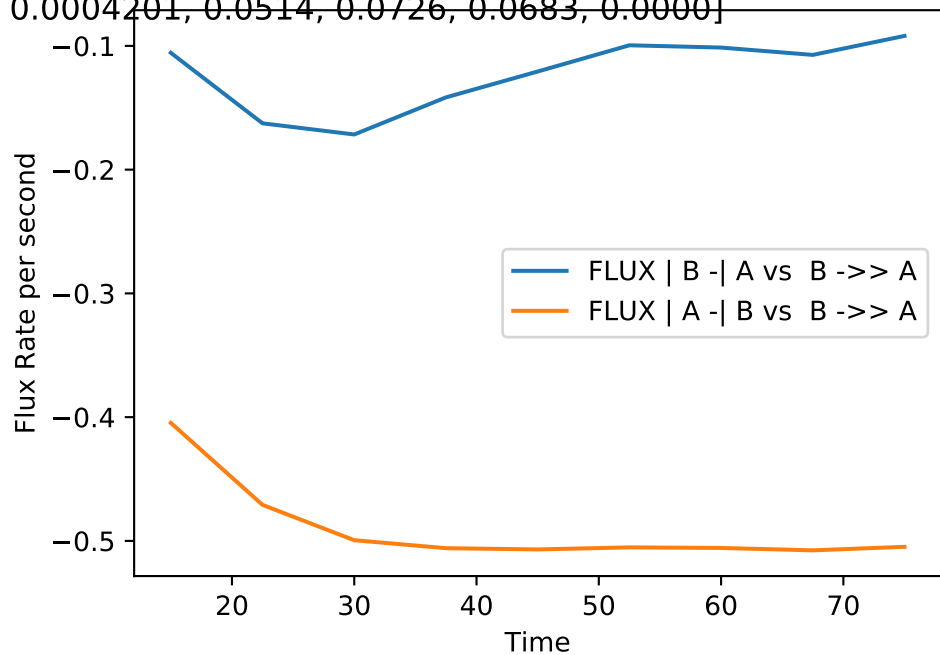
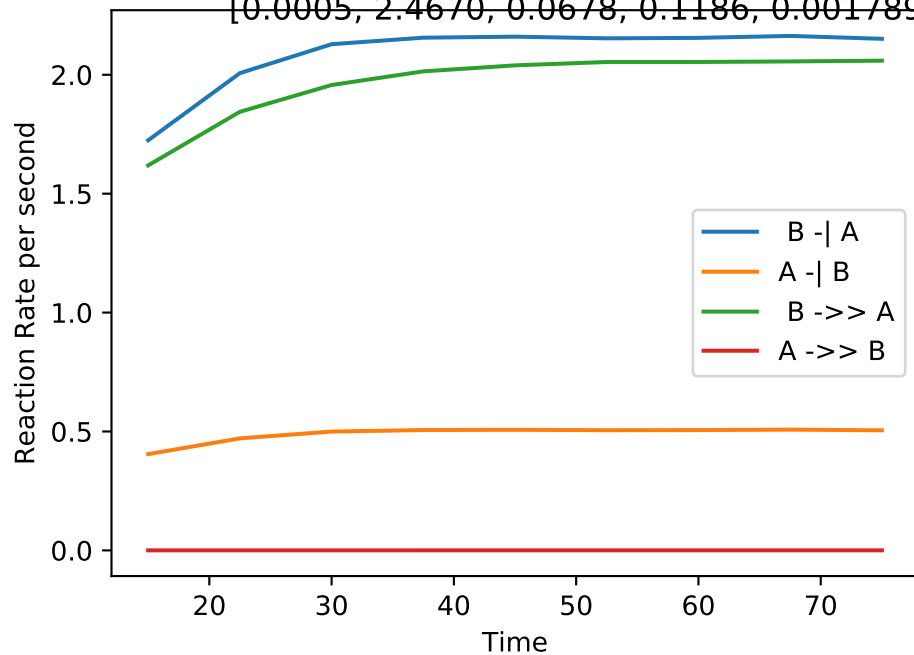
Single_up | MB-LLS Single_up(#246):

[0.0025, 2.4060, 0.0501, 0.1455, 0.001583, 0.000344, 0.0473, 0.0530, 0.0932, 0.0000]



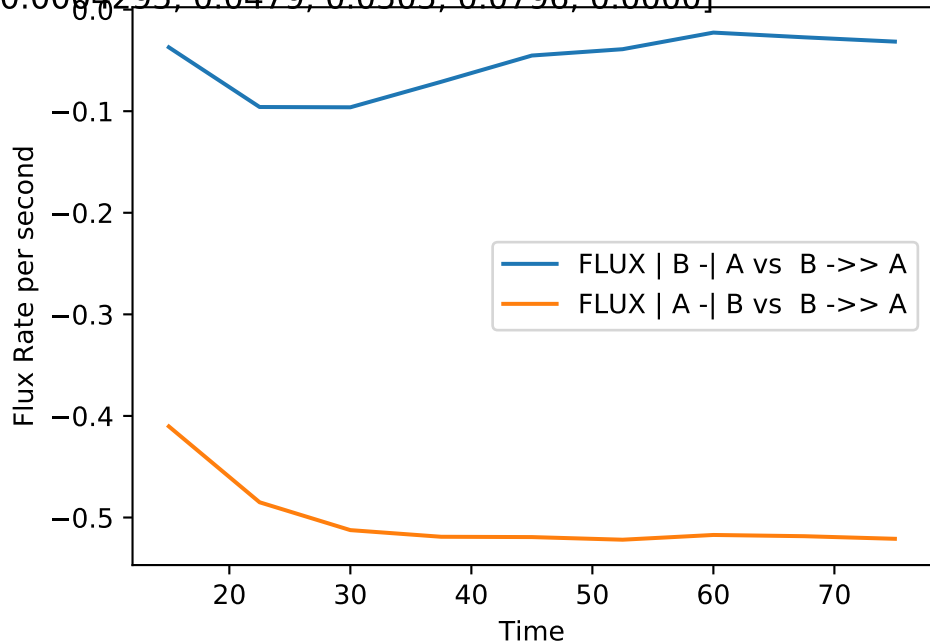
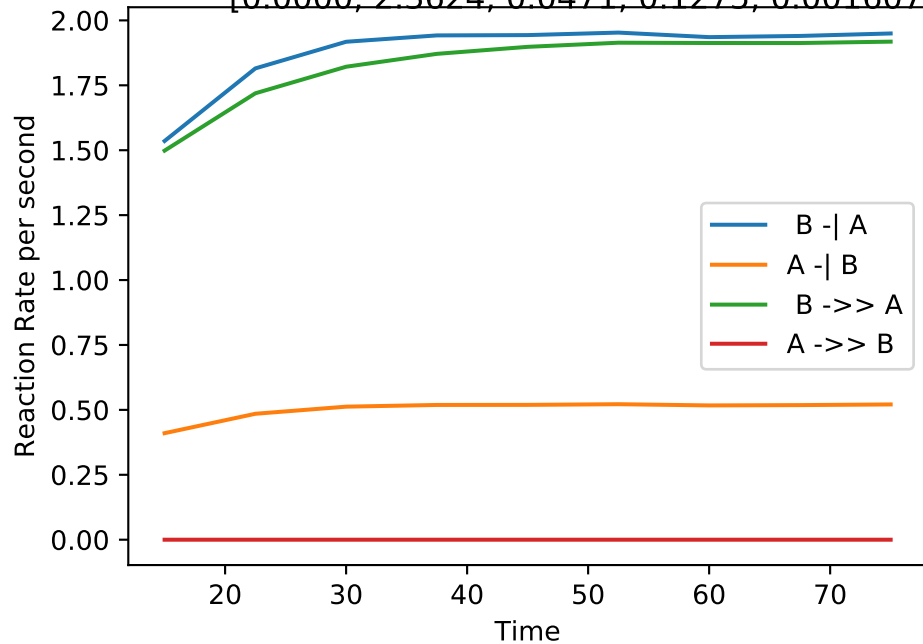
Single_up | MB-LLS Single_up(#247):

[0.0005, 2.4670, 0.0678, 0.1186, 0.001789, 0.0004201, 0.0514, 0.0726, 0.0683, 0.0000]



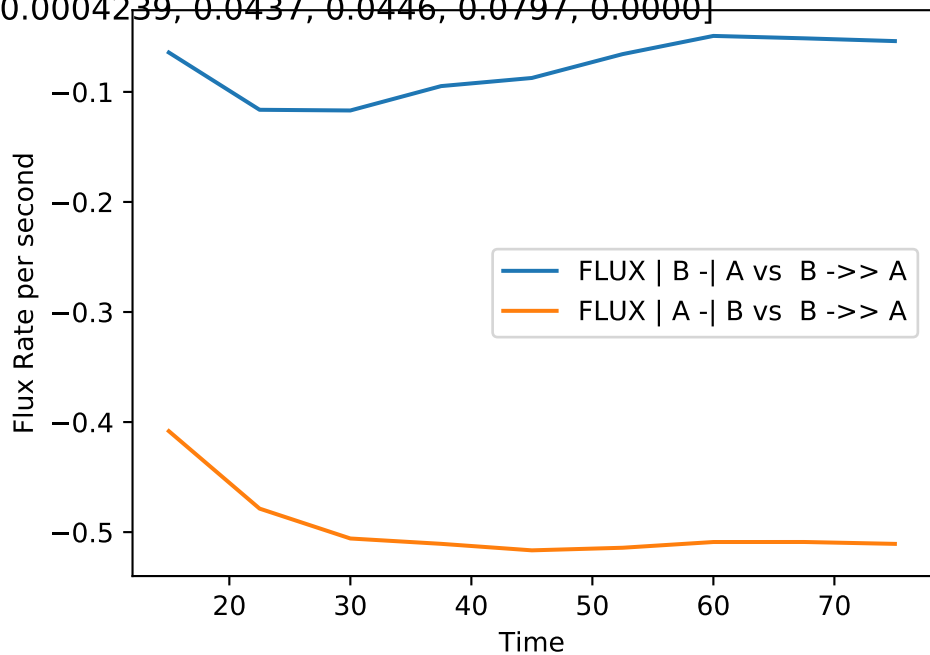
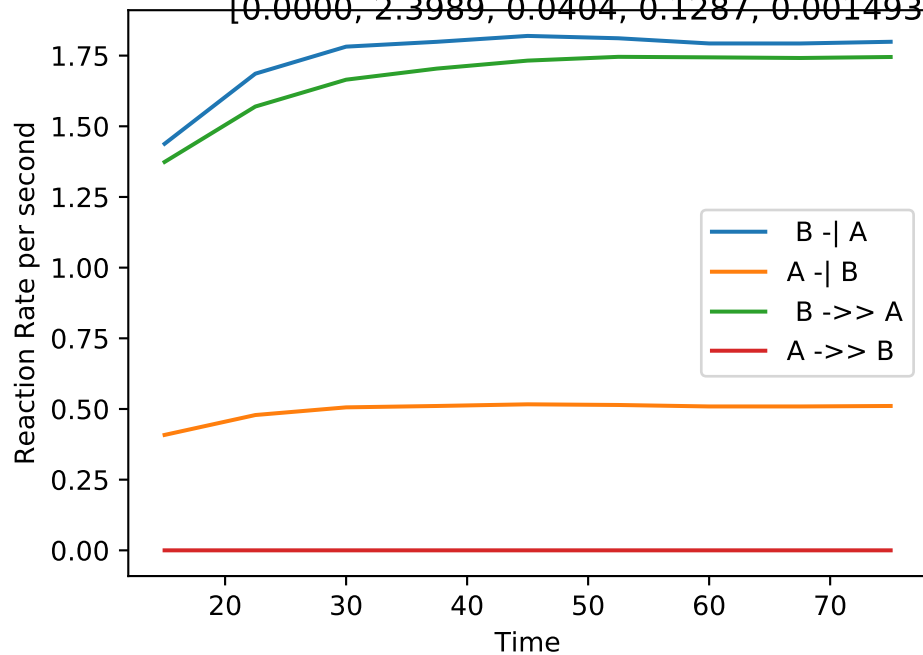
Single_up | MB-LLS Single_up(#248):

[0.0000, 2.3624, 0.0471, 0.1275, 0.001607, 0.0004295, 0.0479, 0.0505, 0.0796, 0.0000]



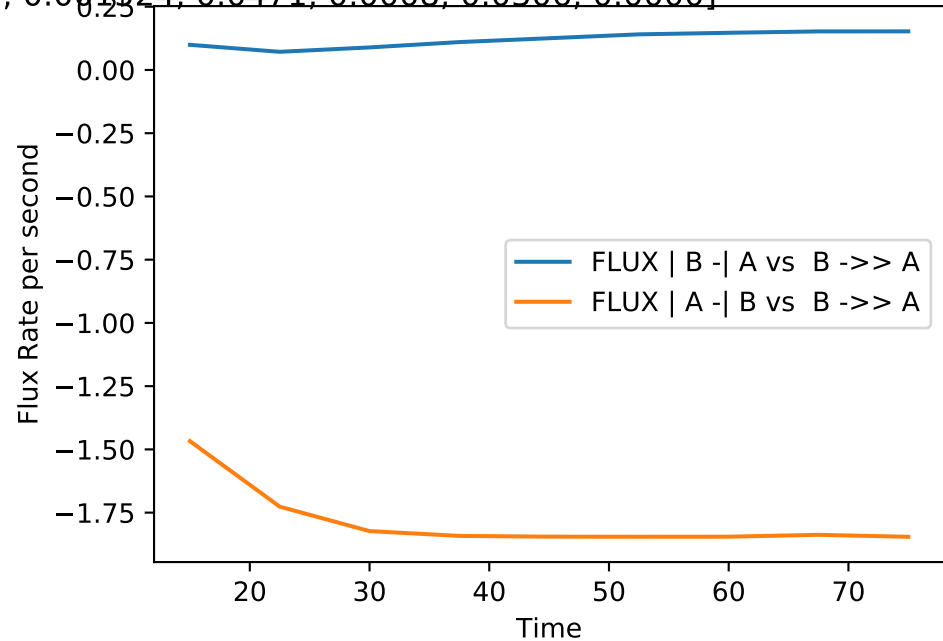
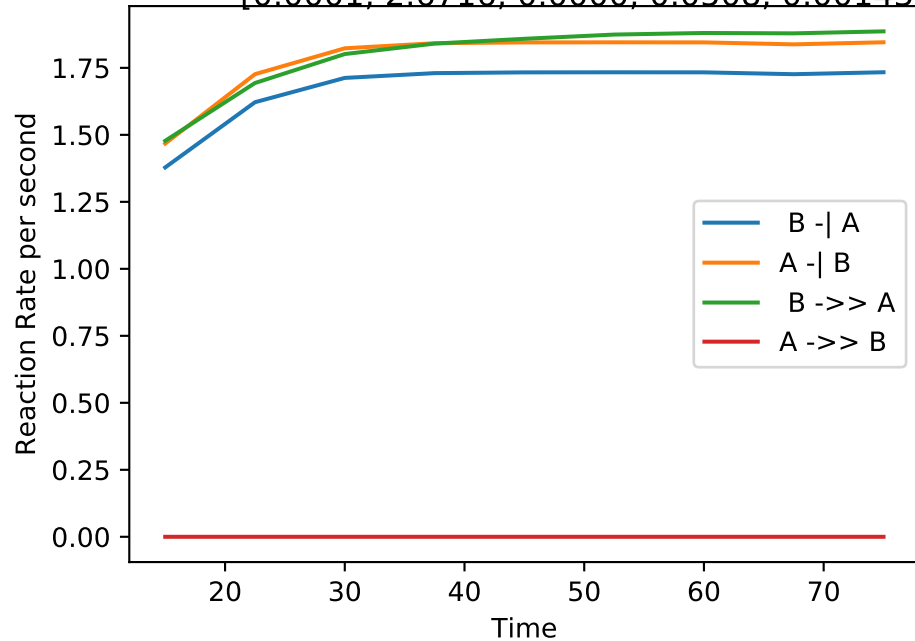
Single_up | MB-LLS Single_up(#249):

[0.0000, 2.3989, 0.0404, 0.1287, 0.001493, 0.0004239, 0.0437, 0.0446, 0.0797, 0.0000]



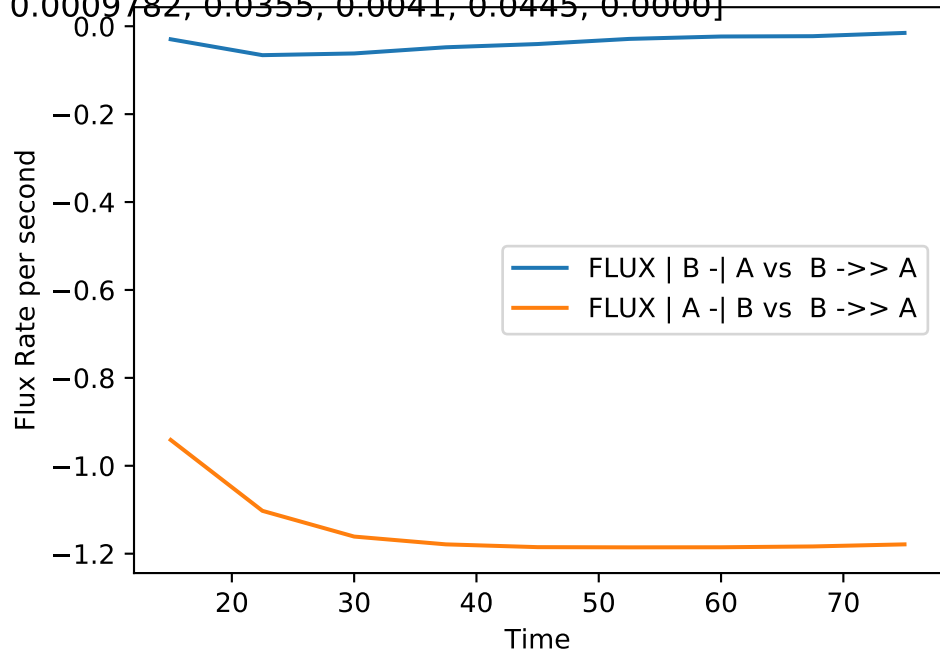
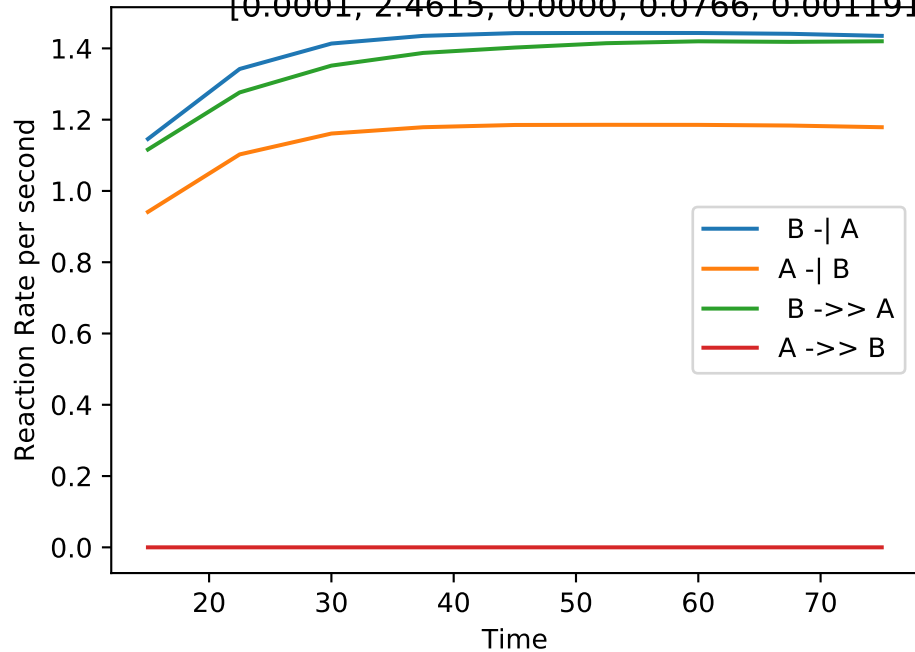
Single_up | MB-LLS Single_up(#250):

[0.0001, 2.6716, 0.0000, 0.0508, 0.001431, 0.001524, 0.0471, 0.0008, 0.0306, 0.0000]



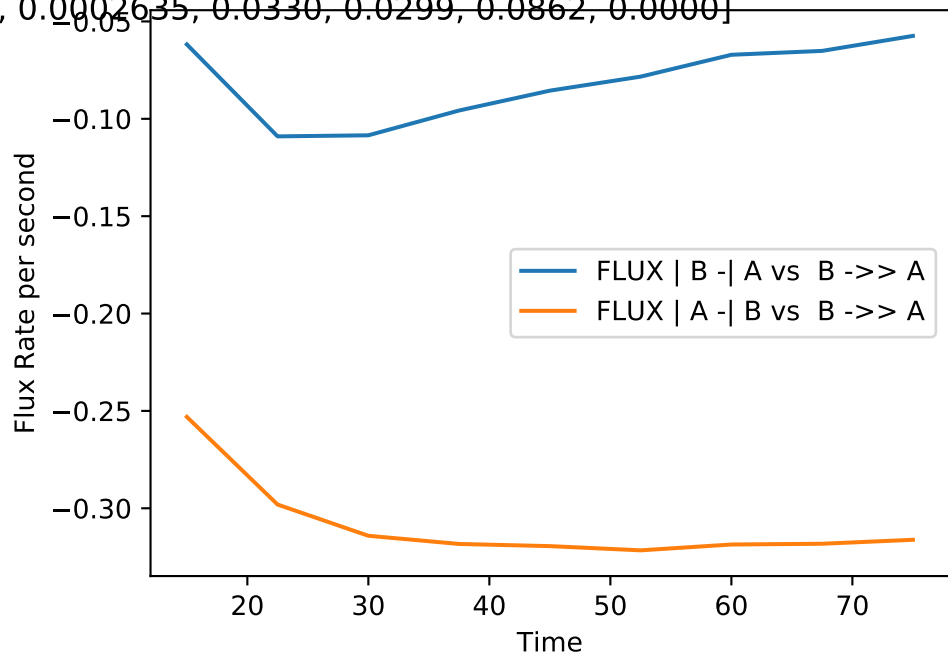
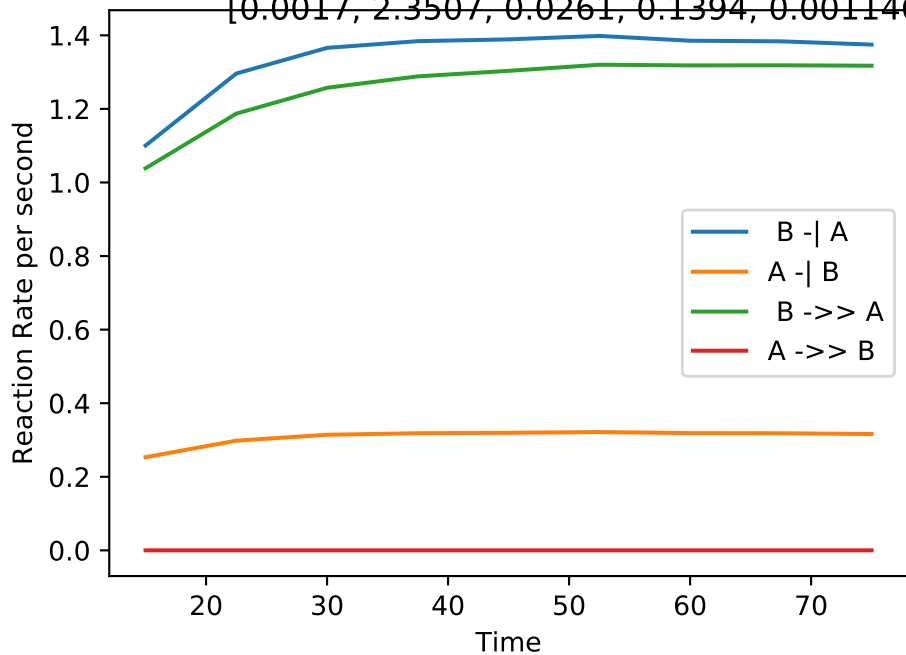
Single_up | MB-LLS Single_up(#251):

[0.0001, 2.4615, 0.0000, 0.0766, 0.001191, 0.0009782, 0.0355, 0.0041, 0.0445, 0.0000]



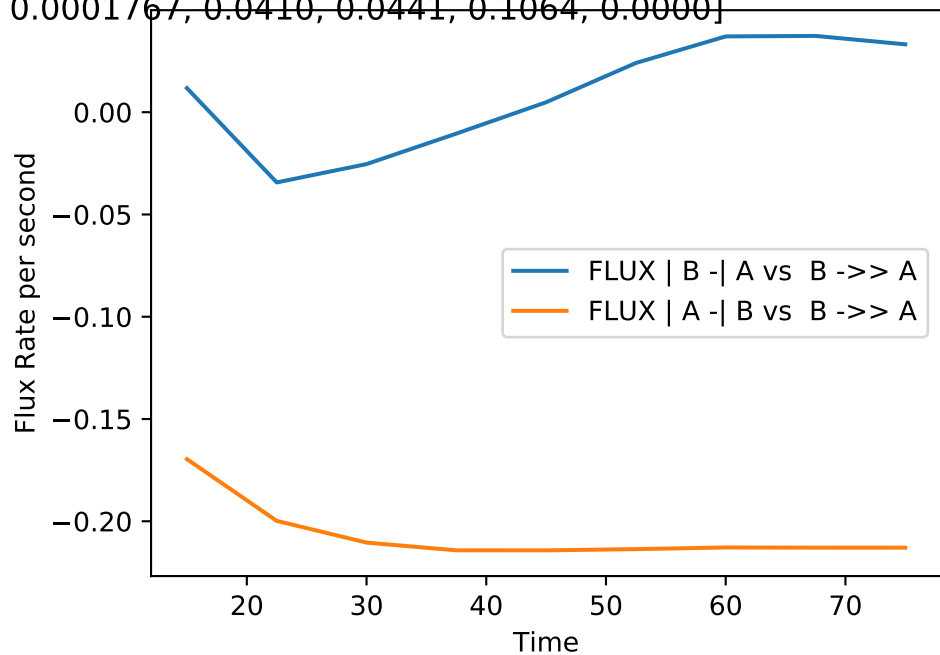
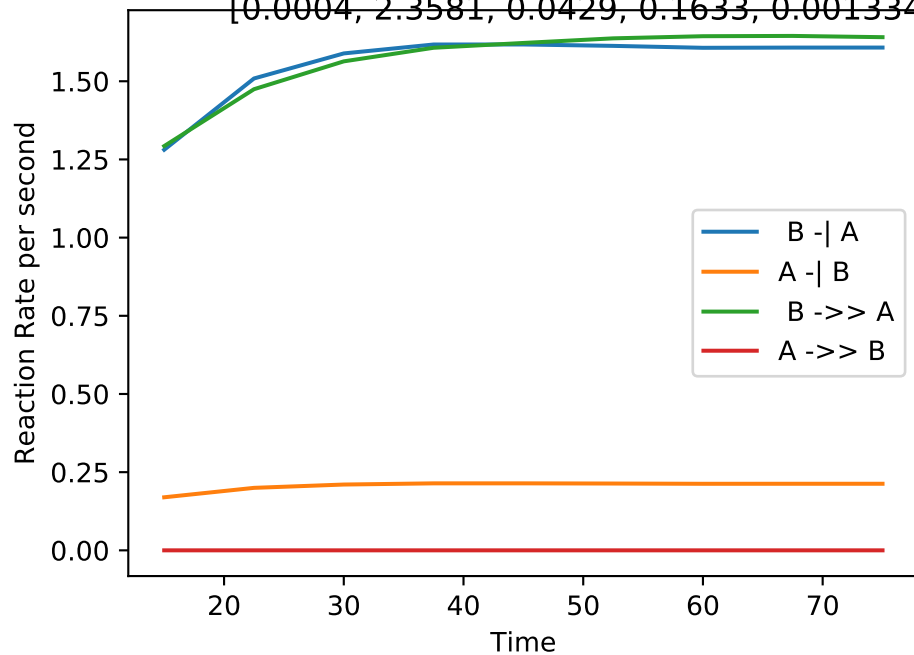
Single_up | MB-LLS Single_up(#252):

[0.0017, 2.3507, 0.0261, 0.1394, 0.001146, 0.0002635, 0.0330, 0.0299, 0.0862, 0.0000]



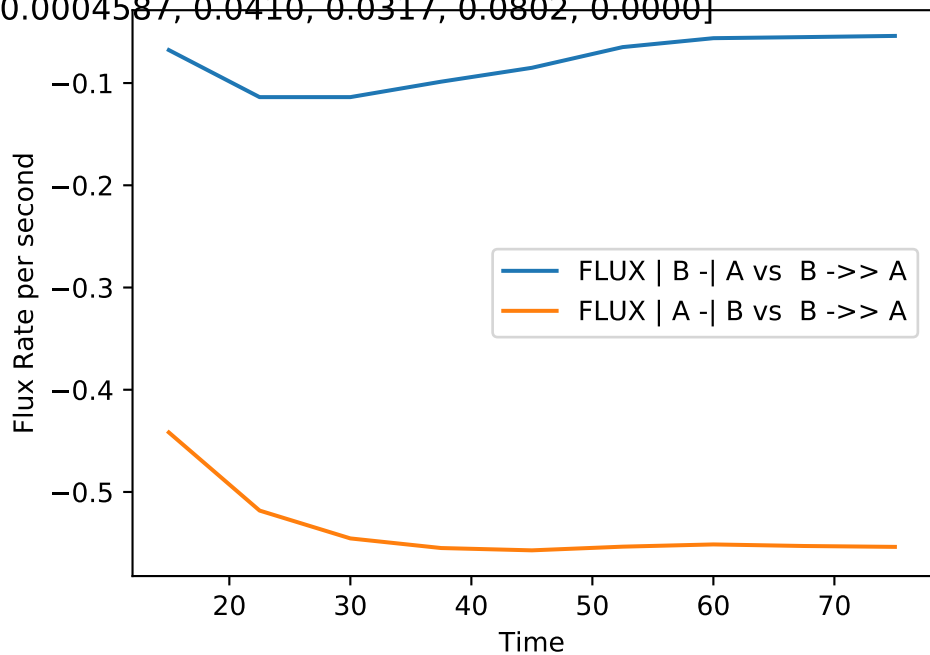
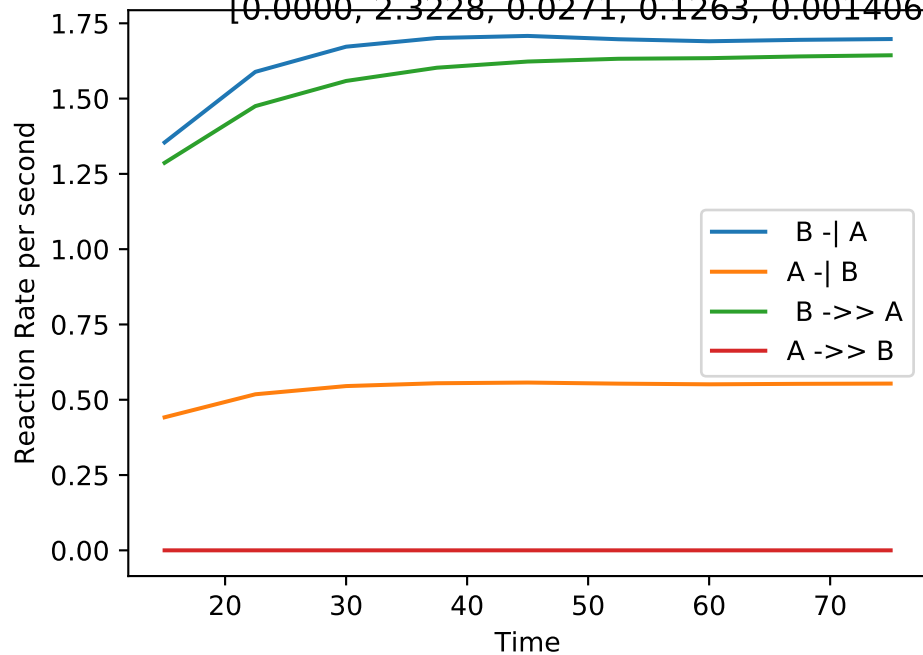
Single_up | MB-LLS Single_up(#253):

[0.0004, 2.3581, 0.0429, 0.1633, 0.001334, 0.0001767, 0.0410, 0.0441, 0.1064, 0.0000]



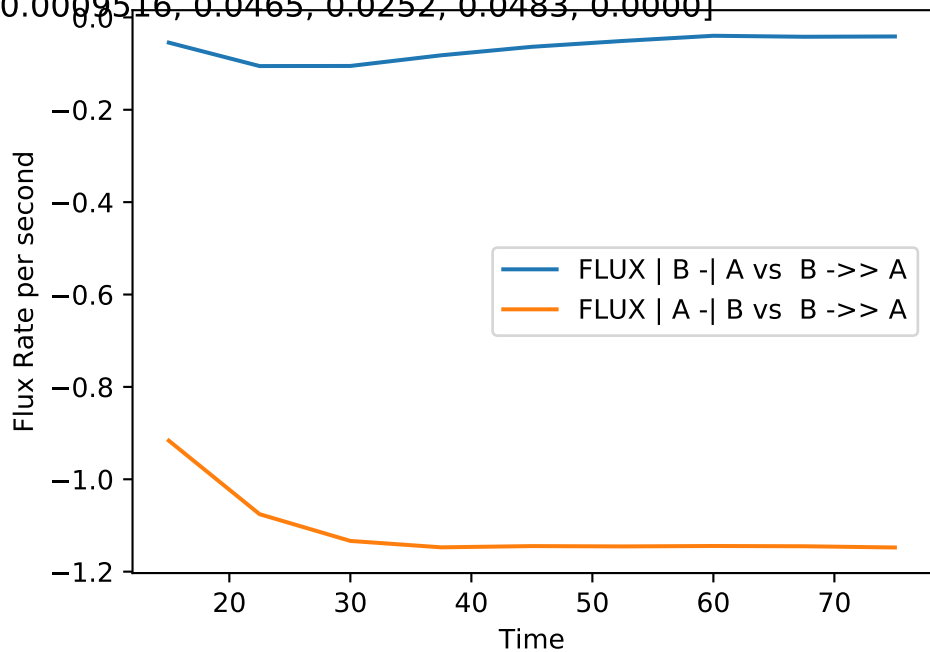
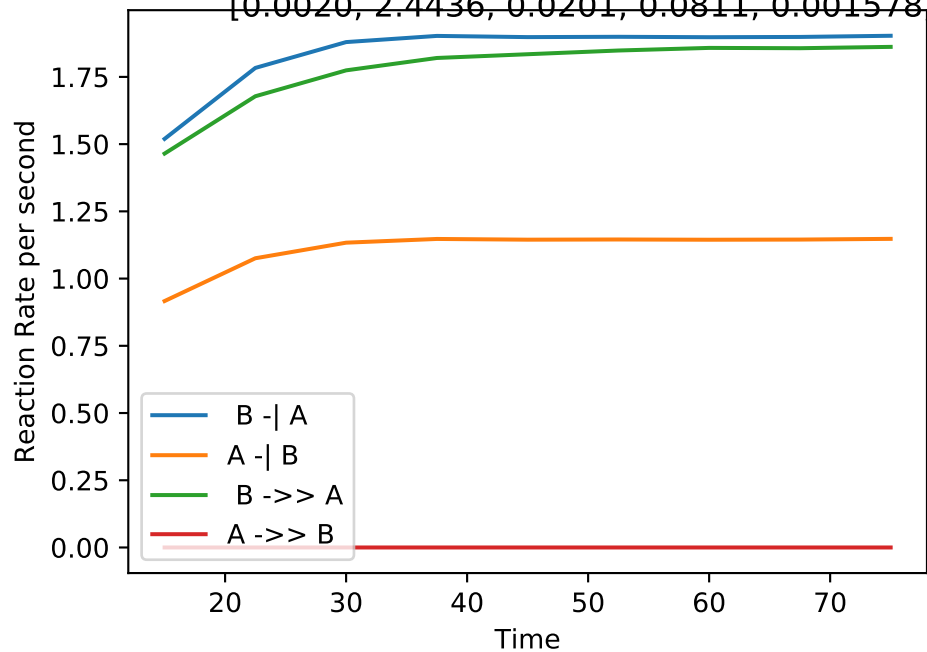
Single_up | MB-LLS Single_up(#254):

[0.0000, 2.3228, 0.0271, 0.1263, 0.001406, 0.0004587, 0.0410, 0.0317, 0.0802, 0.0000]



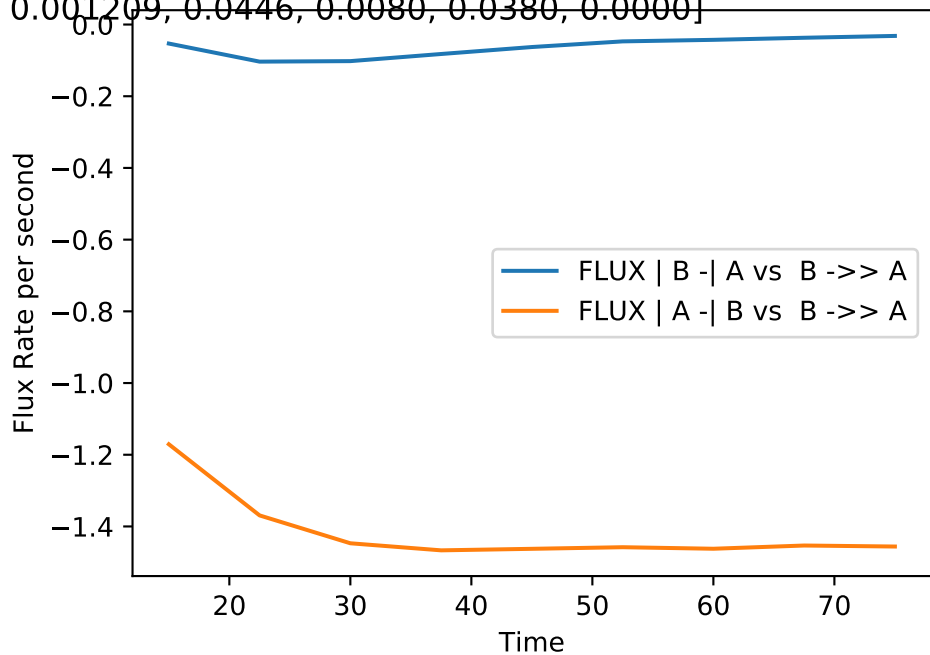
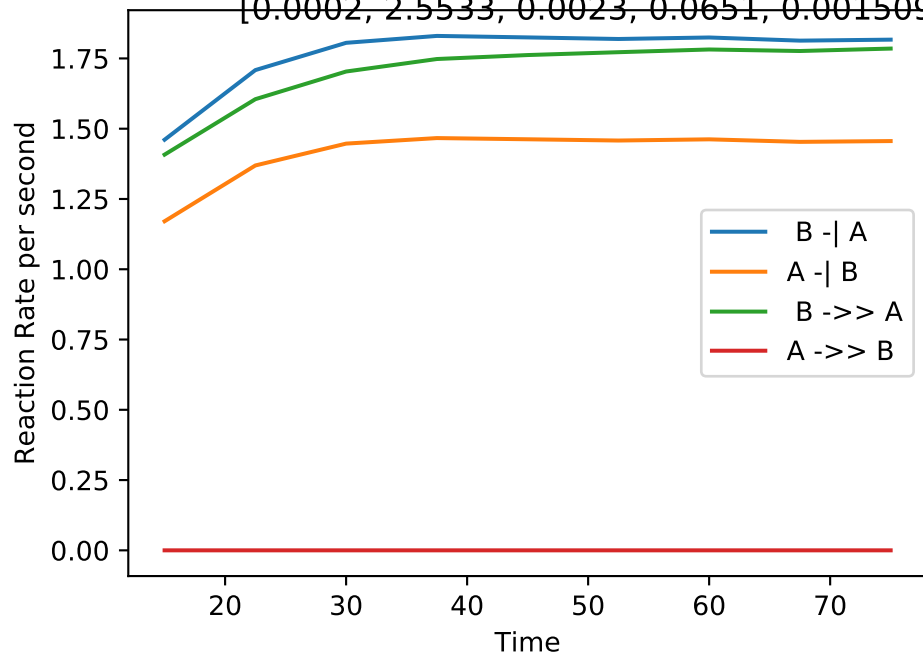
Single_up | MB-LLS Single_up(#255):

[0.0020, 2.4436, 0.0201, 0.0811, 0.001578, 0.0009516, 0.0465, 0.0252, 0.0483, 0.0000]



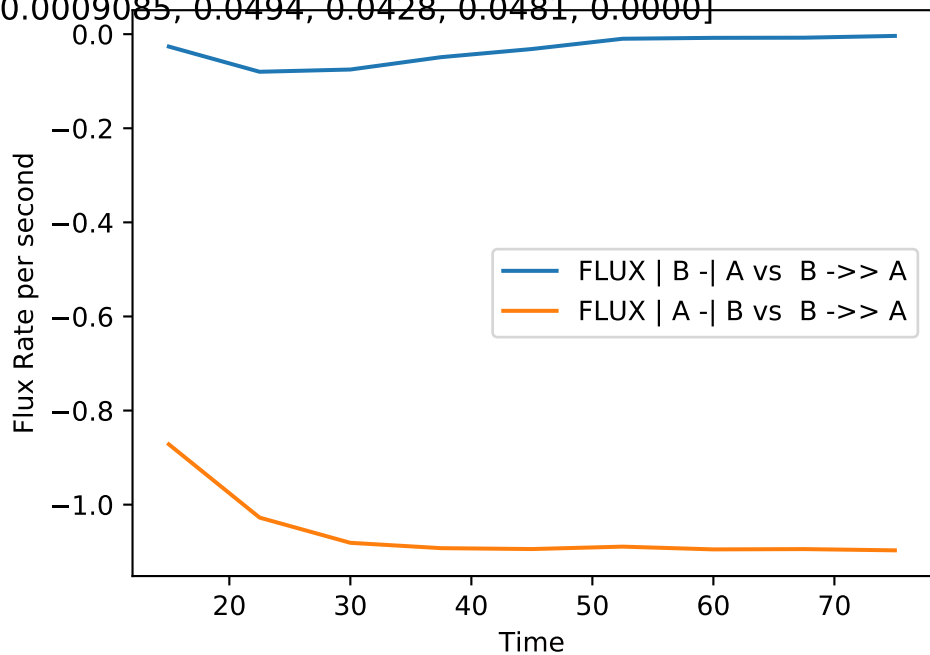
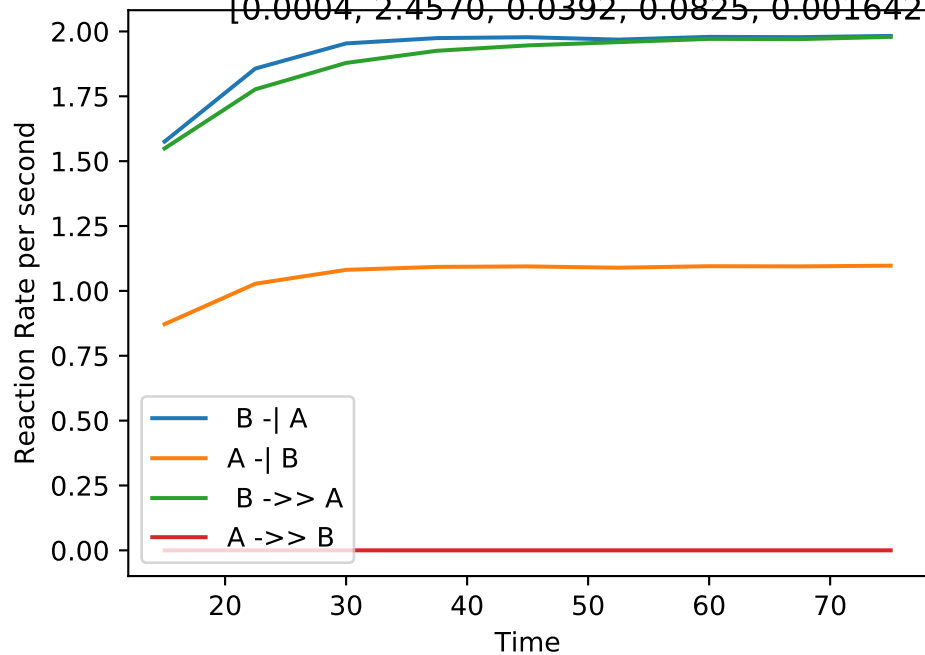
Single_up | MB-LLS Single_up(#256):

[0.0002, 2.5533, 0.0023, 0.0651, 0.001509, 0.001209, 0.0446, 0.0080, 0.0380, 0.0000]



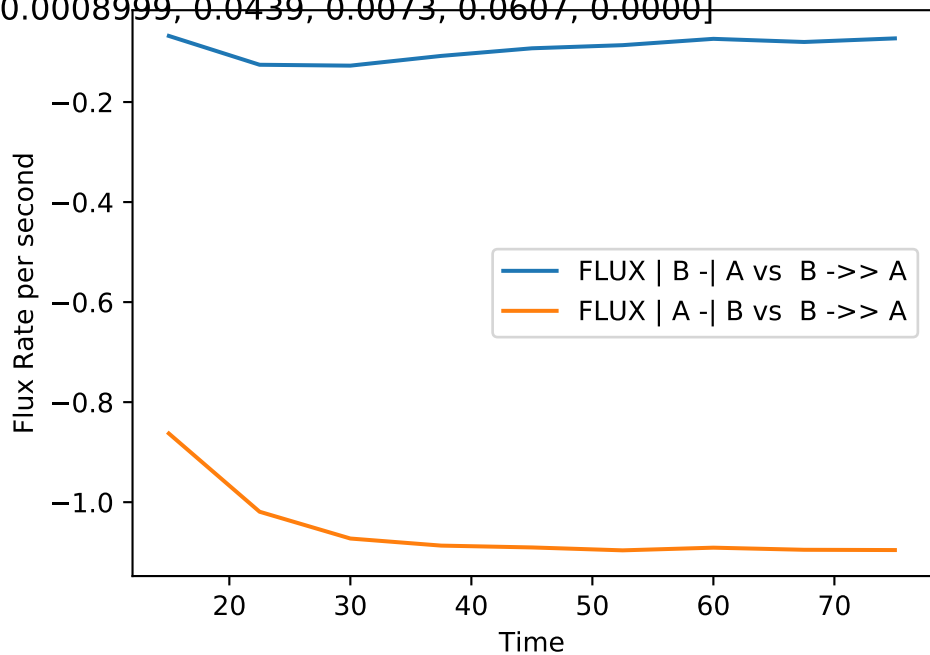
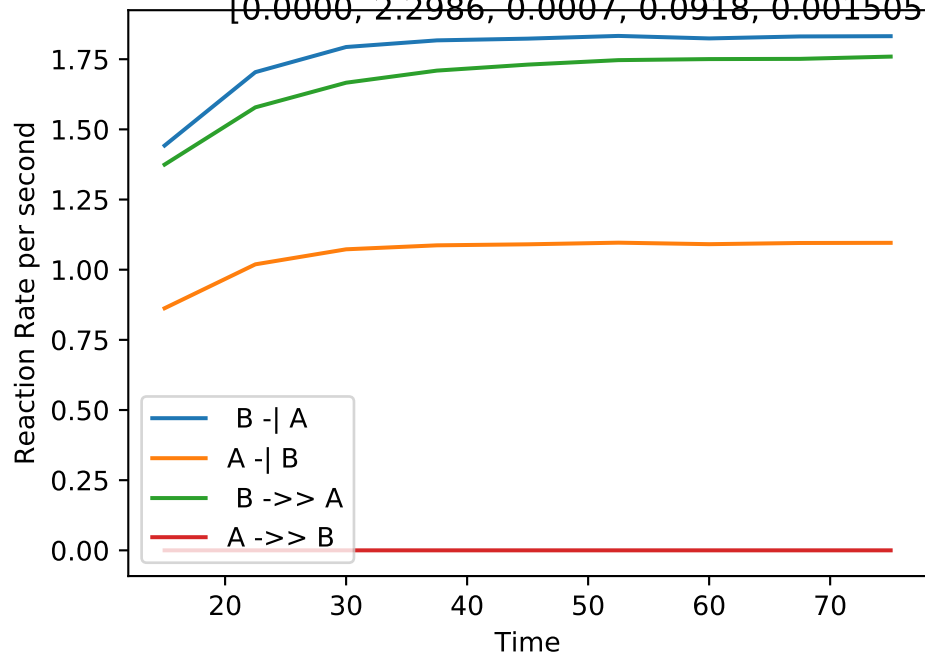
Single_up | MB-LLS Single_up(#257):

[0.0004, 2.4570, 0.0392, 0.0825, 0.001642, 0.0009085, 0.0494, 0.0428, 0.0481, 0.0000]



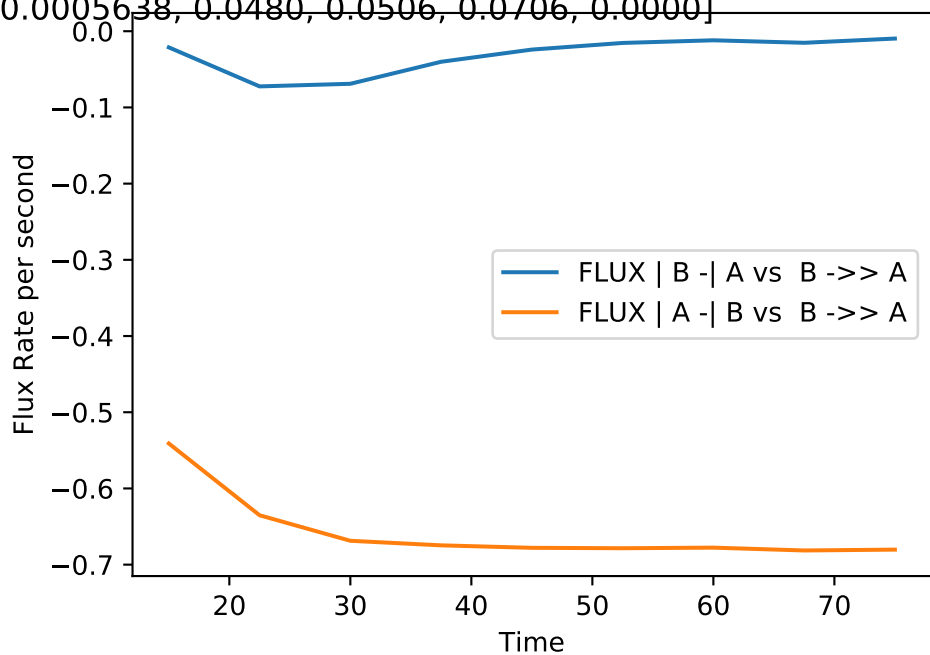
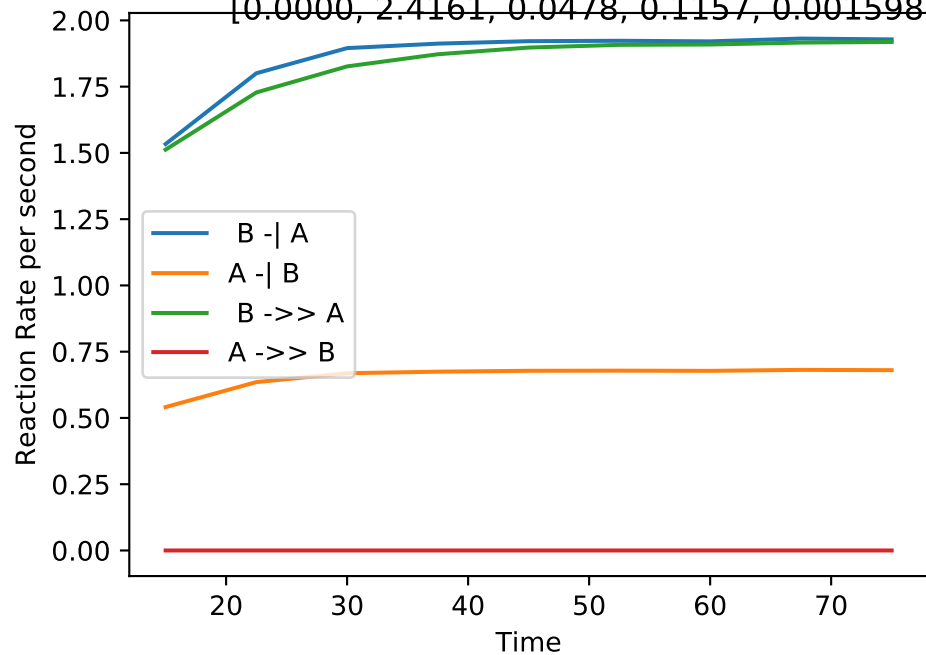
Single_up | MB-LLS Single_up(#258):

[0.0000, 2.2986, 0.0007, 0.0918, 0.001505, 0.0008999, 0.0439, 0.0073, 0.0607, 0.0000]



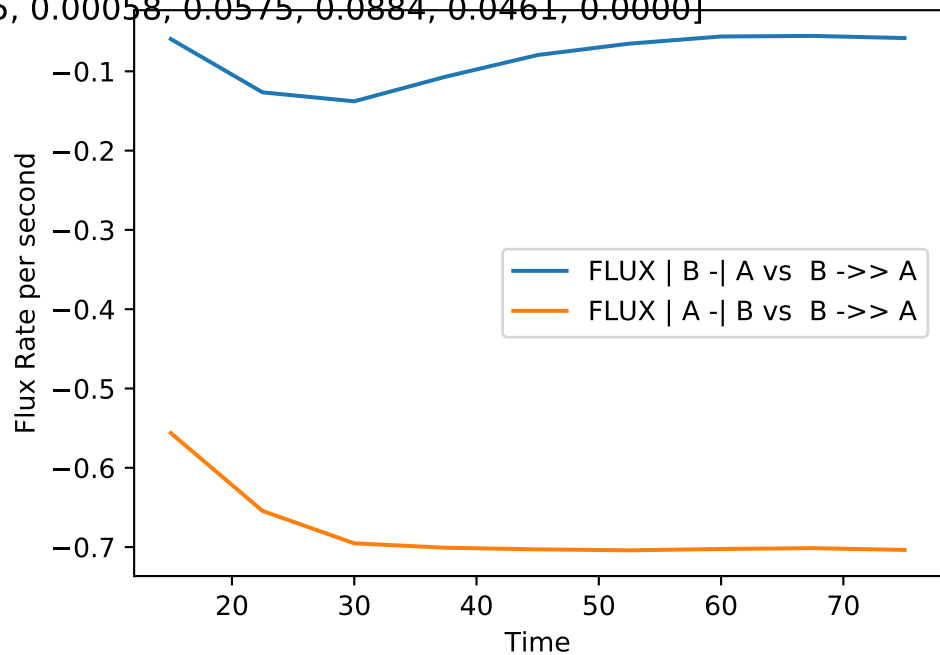
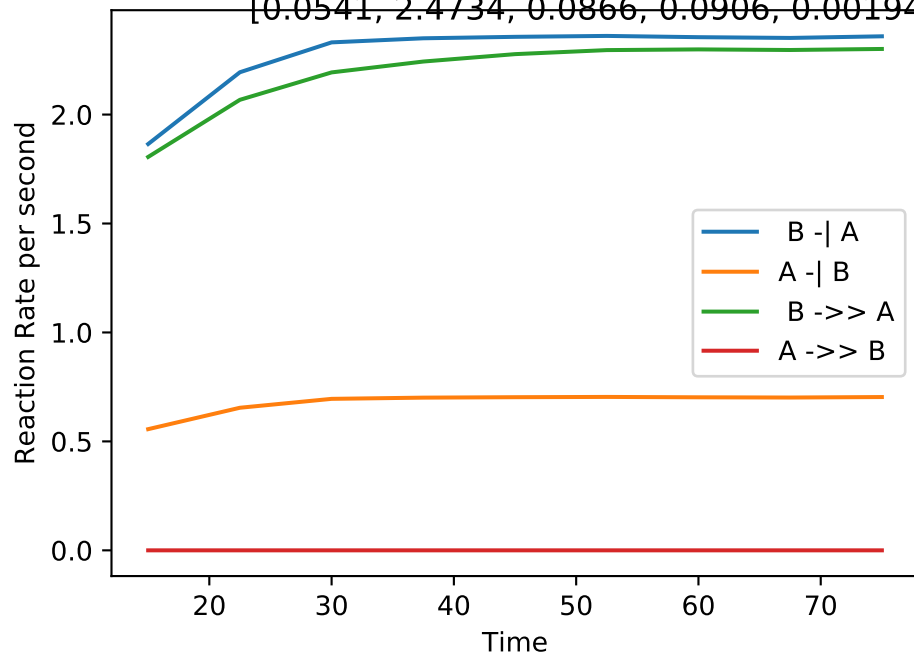
Single_up | MB-LLS Single_up(#259):

[0.0000, 2.4161, 0.0478, 0.1157, 0.001598, 0.0005638, 0.0480, 0.0506, 0.0706, 0.0000]



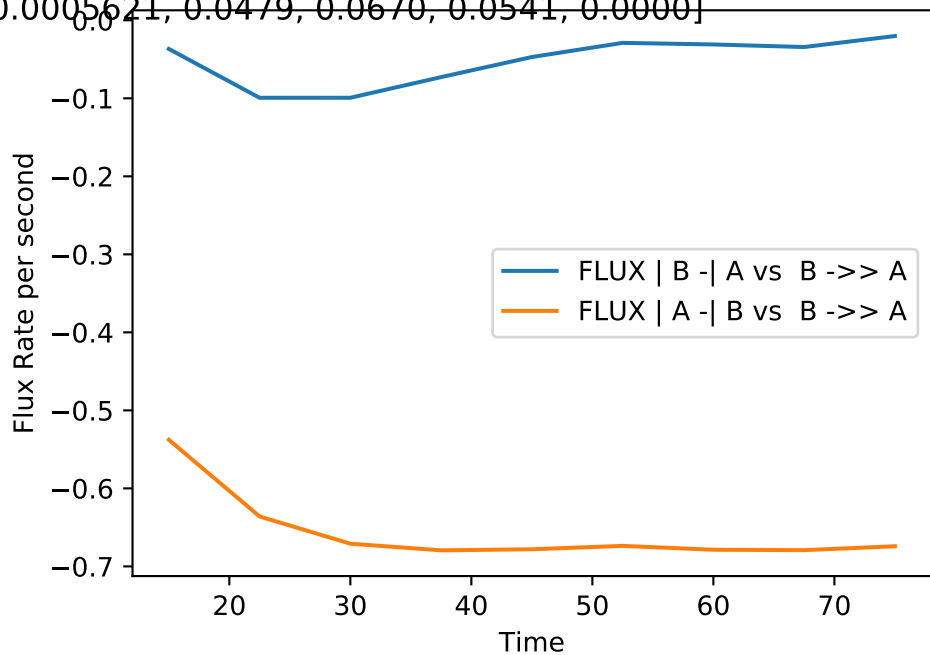
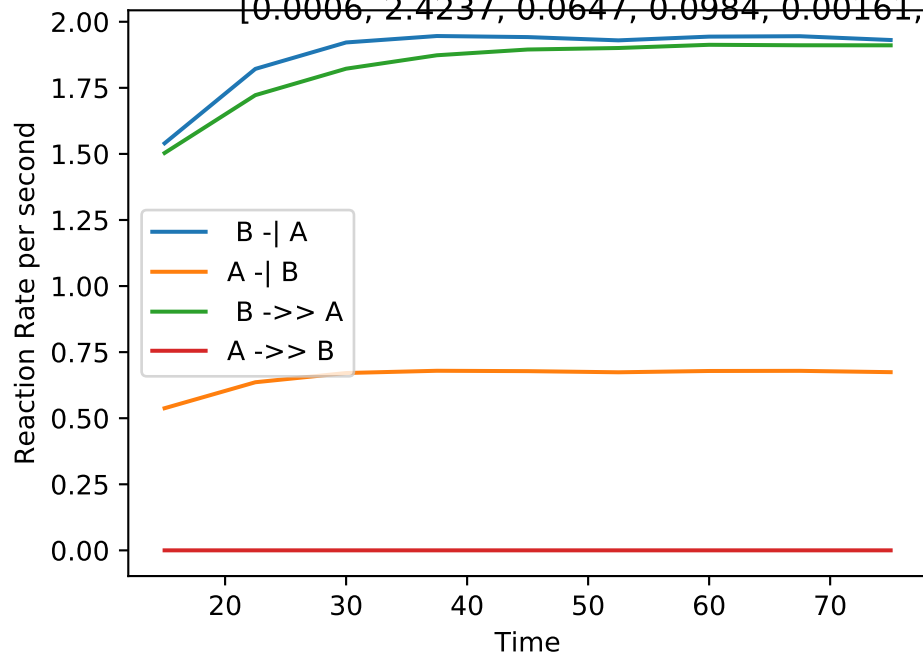
Single_up | MB-LLS Single_up(#260):

[0.0541, 2.4734, 0.0866, 0.0906, 0.001945, 0.00058, 0.0575, 0.0884, 0.0461, 0.0000]



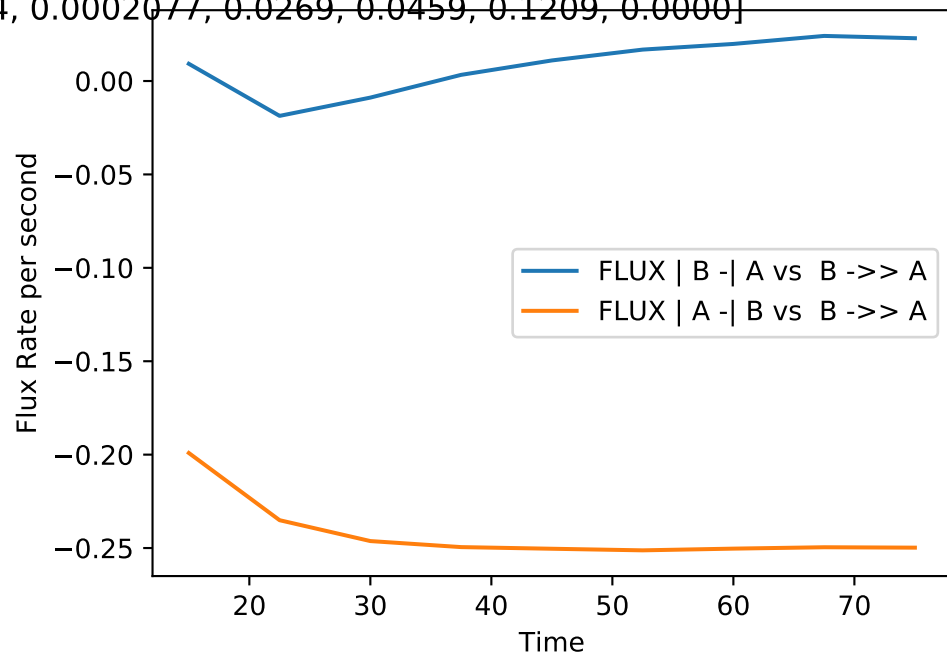
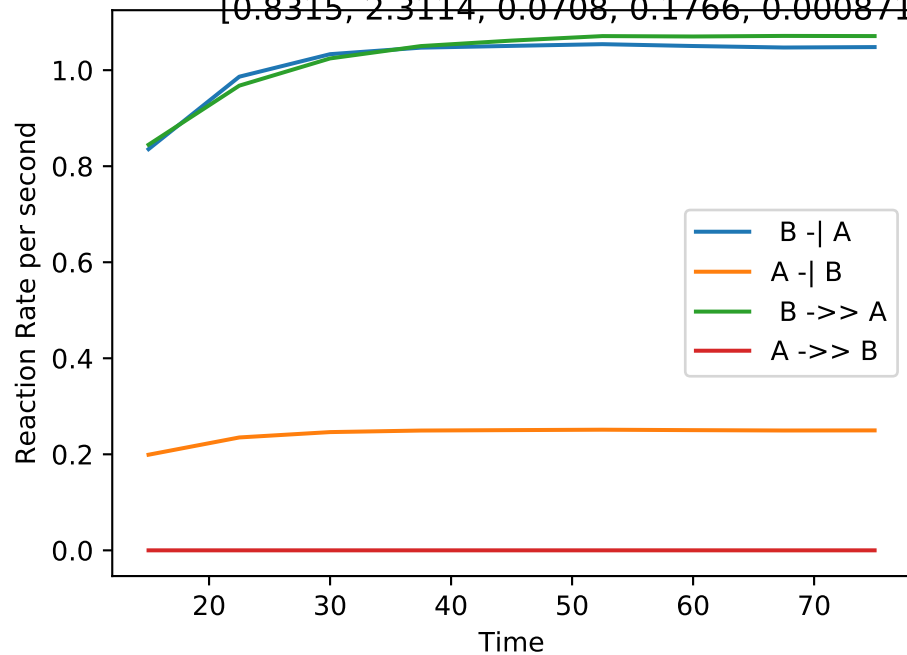
Single_up | MB-LLS Single_up(#261):

[0.0006, 2.4237, 0.0647, 0.0984, 0.00161, 0.0005621, 0.0479, 0.0670, 0.0541, 0.0000]



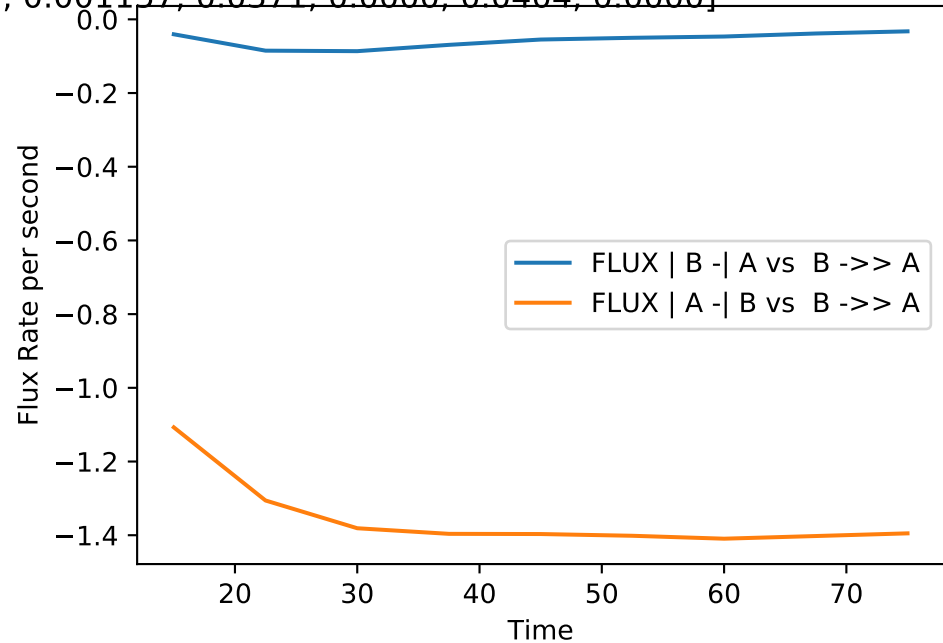
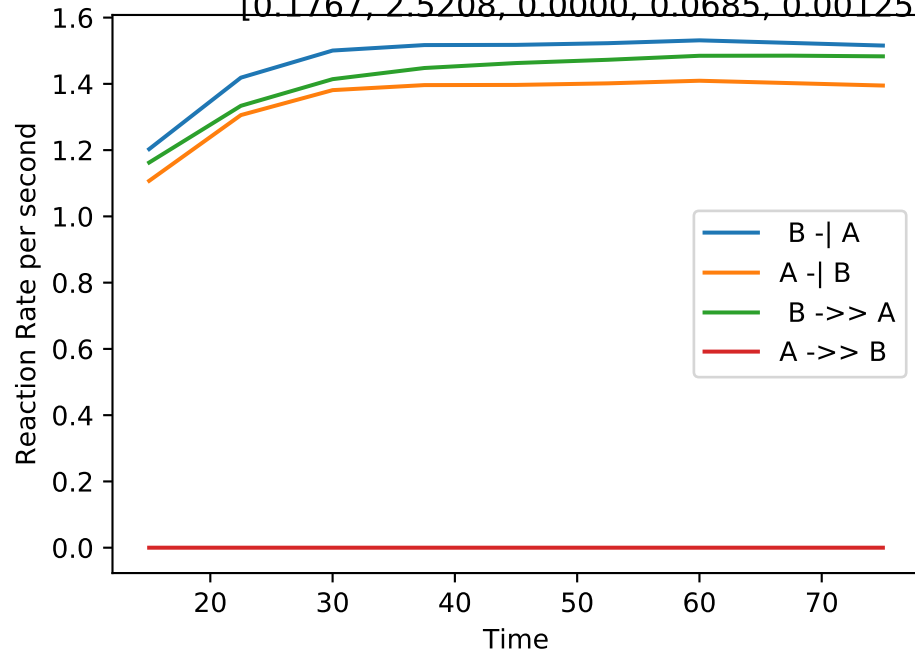
Single_up | MB-LLS Single_up(#262):

[0.8315, 2.3114, 0.0708, 0.1766, 0.0008714, 0.0002077, 0.0269, 0.0459, 0.1209, 0.0000]



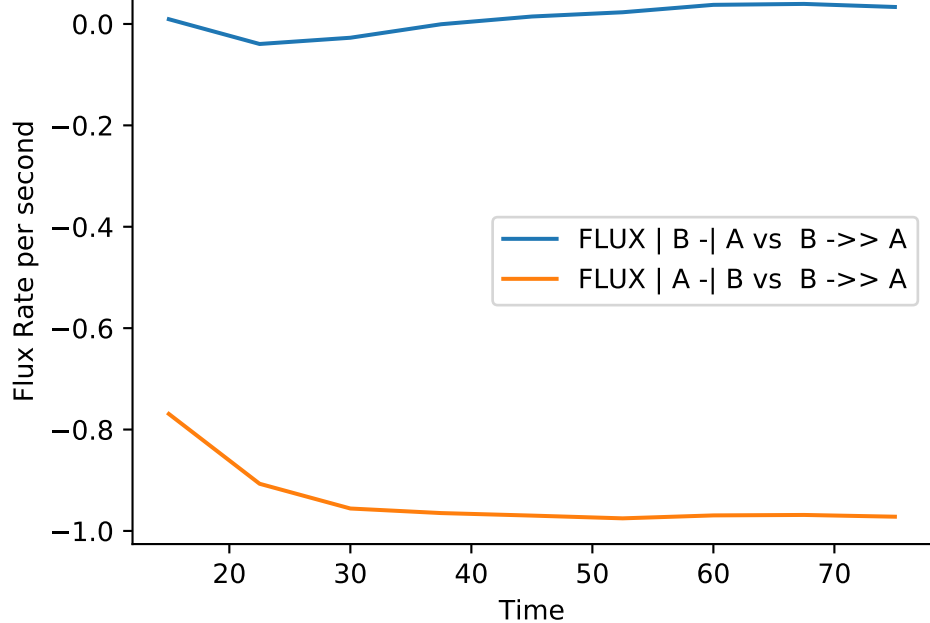
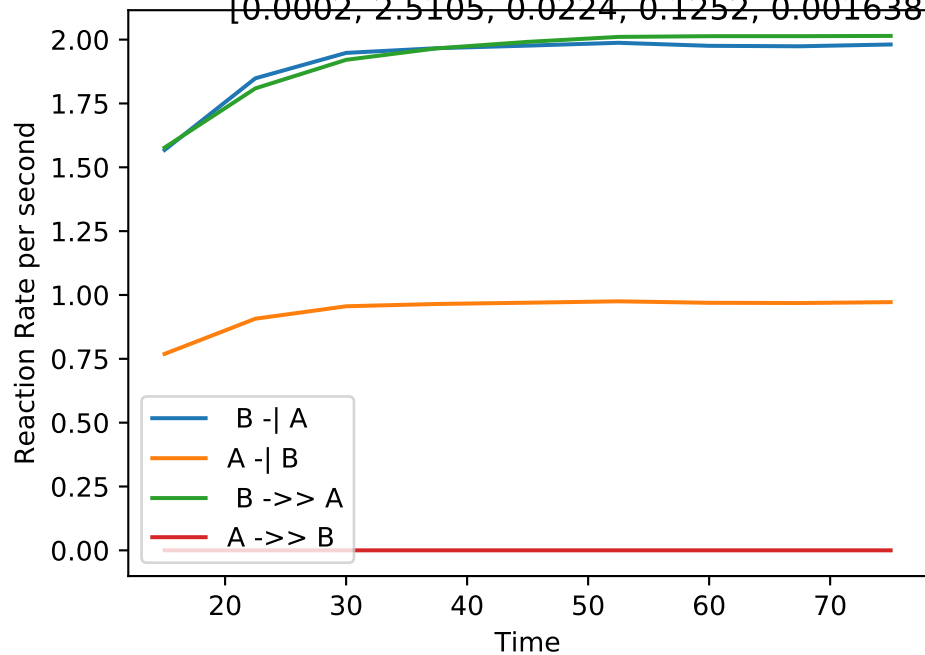
Single_up | MB-LLS Single_up(#263):

[0.1767, 2.5208, 0.0000, 0.0685, 0.001257, 0.001157, 0.0371, 0.0000, 0.0404, 0.0000]



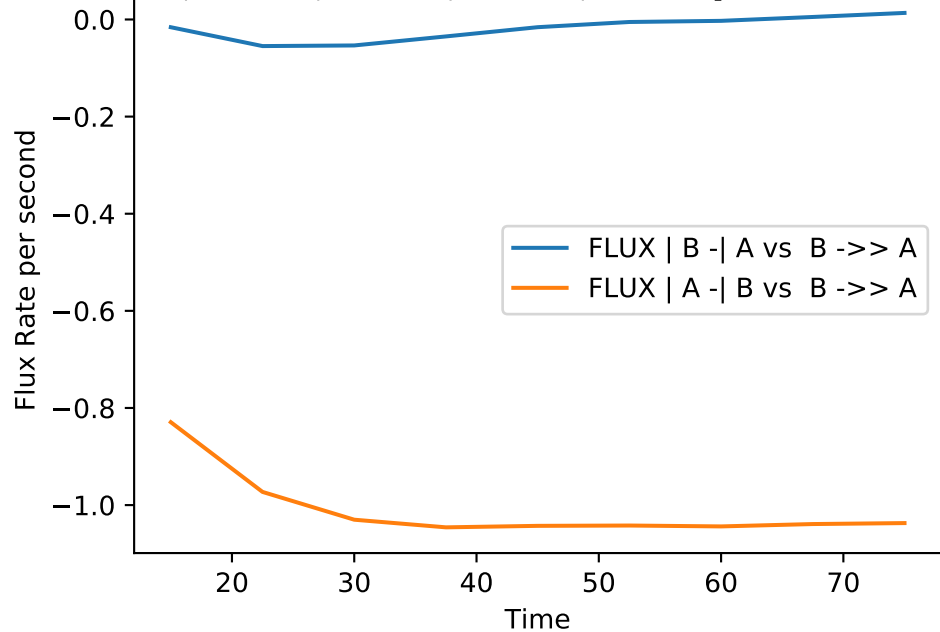
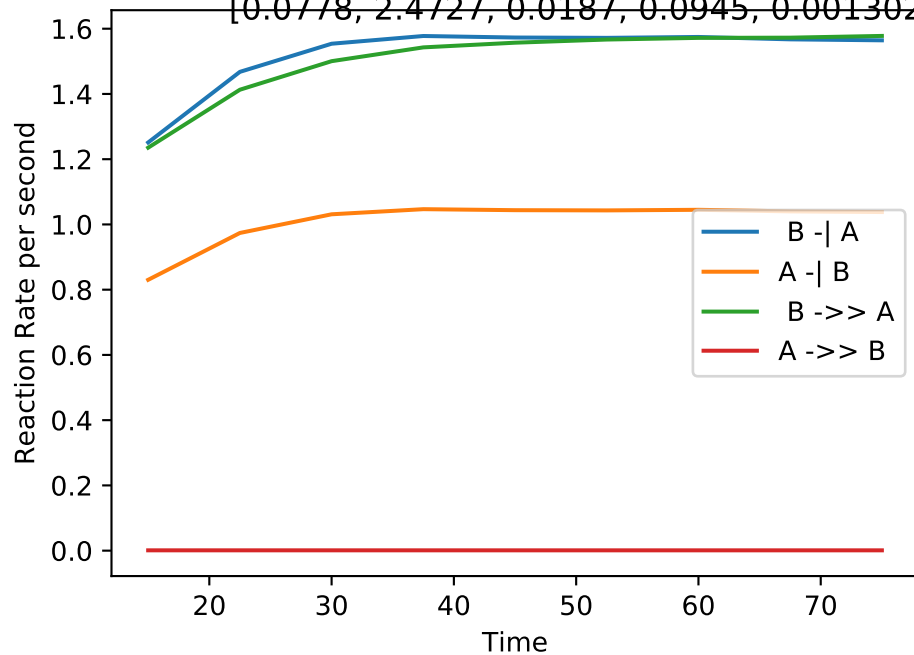
Single_up | MB-LLS Single_up(#264):

[0.0002, 2.5105, 0.0224, 0.1252, 0.001638, 0.0008035, 0.0504, 0.0257, 0.0845, 0.0000]



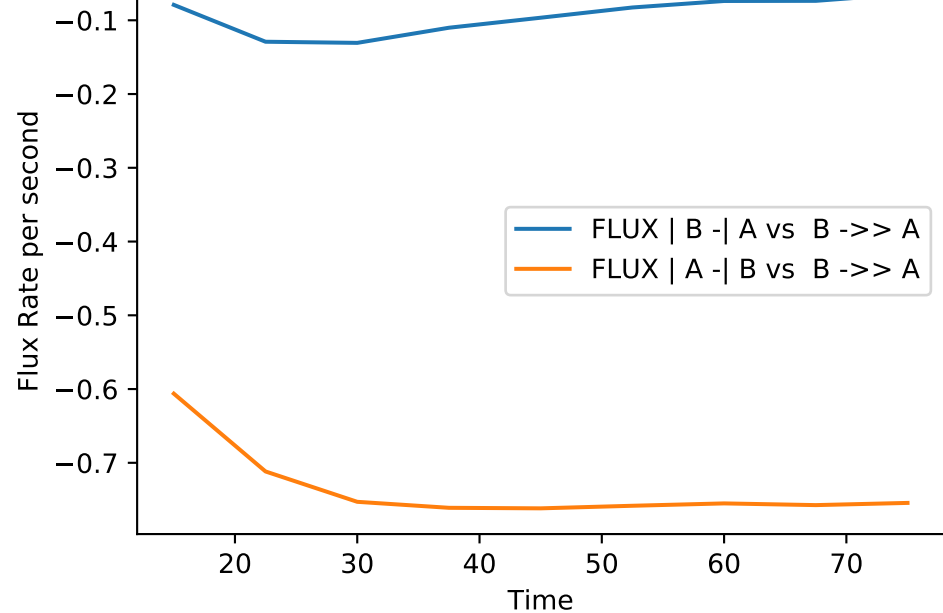
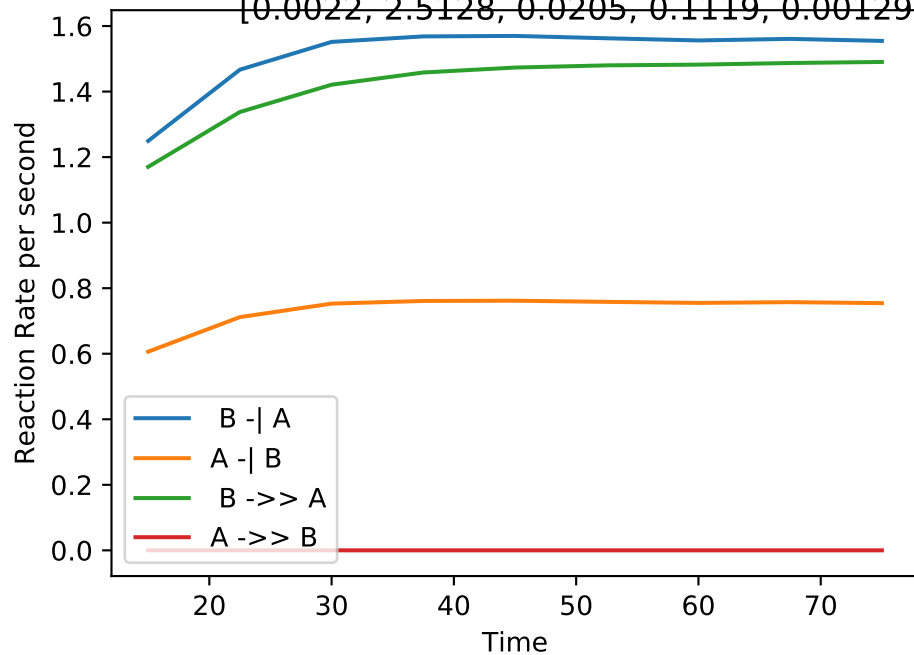
Single_up | MB-LLS Single_up(#265):

[0.0778, 2.4727, 0.0187, 0.0945, 0.001302, 0.0008642, 0.0394, 0.0197, 0.0580, 0.0000]



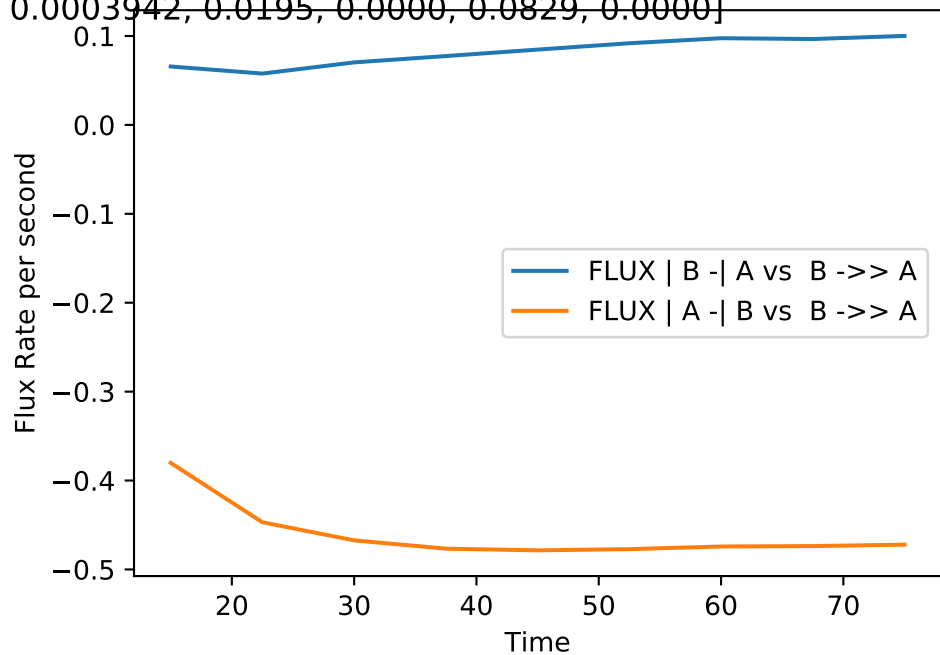
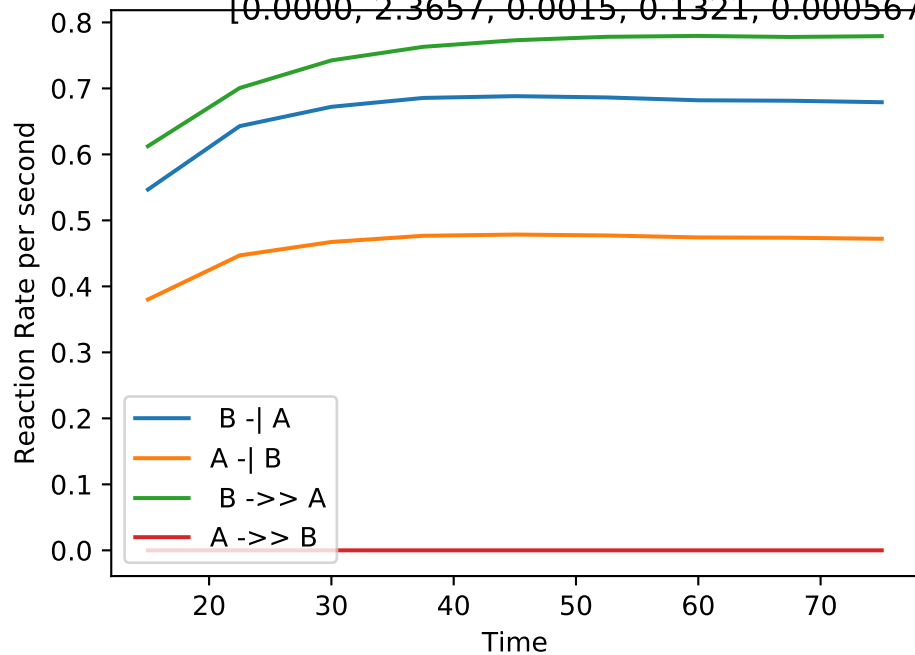
Single_up | MB-LLS Single_up(#266):

[0.0022, 2.5128, 0.0205, 0.1119, 0.001294, 0.000628, 0.0372, 0.0254, 0.0668, 0.0000]



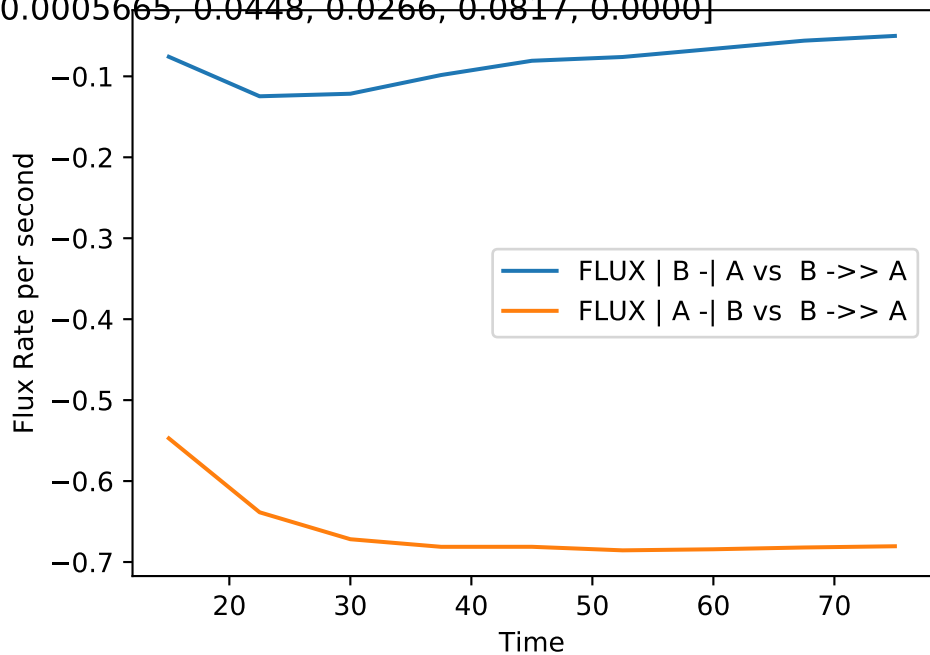
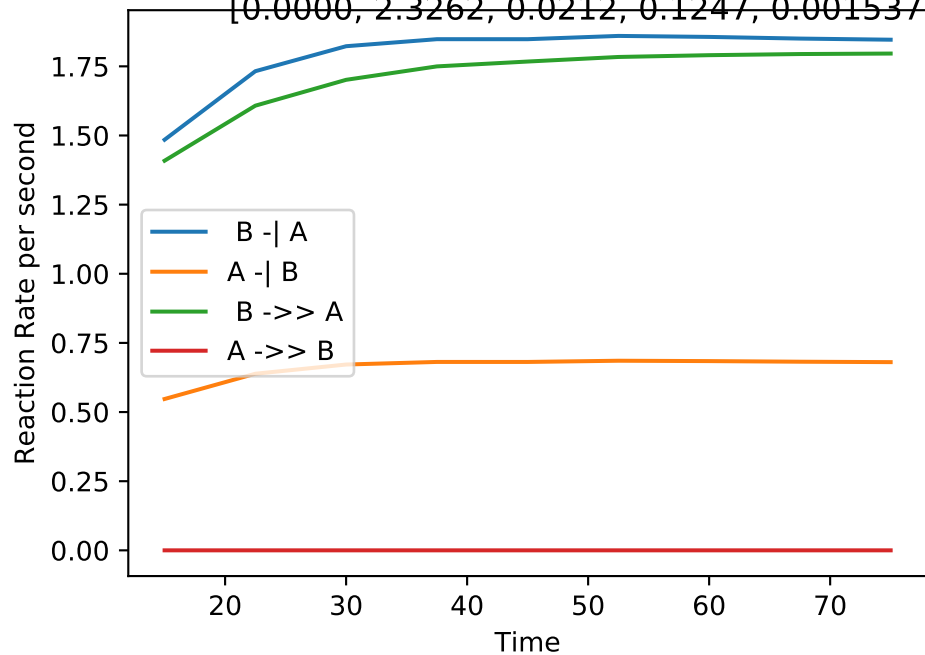
Single_up | MB-LLS Single_up(#267):

[0.0000, 2.3657, 0.0015, 0.1321, 0.000567, 0.0003942, 0.0195, 0.0000, 0.0829, 0.0000]



Single_up | MB-LLS Single_up(#268):

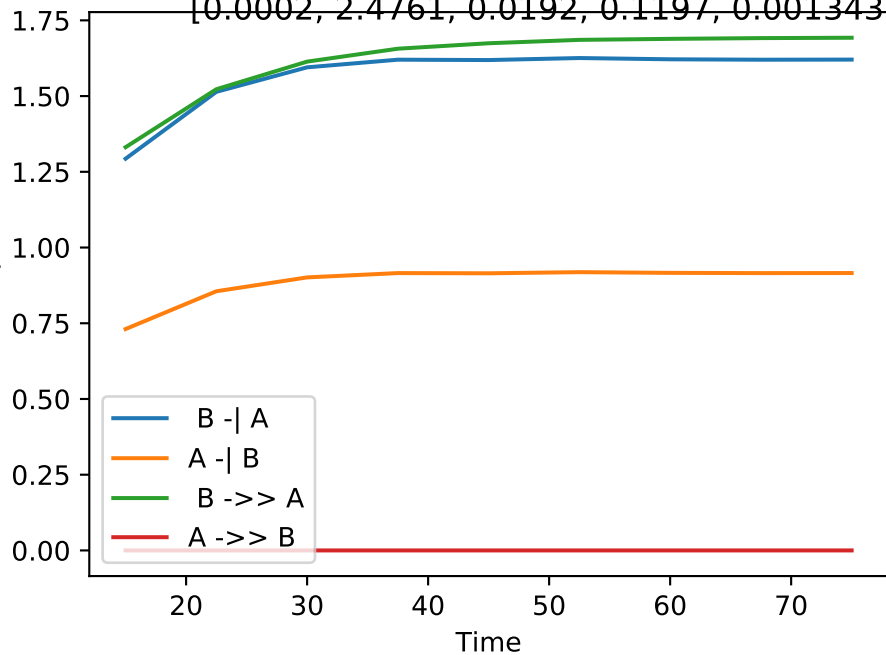
[0.0000, 2.3262, 0.0212, 0.1247, 0.001537, 0.0005665, 0.0448, 0.0266, 0.0817, 0.0000]



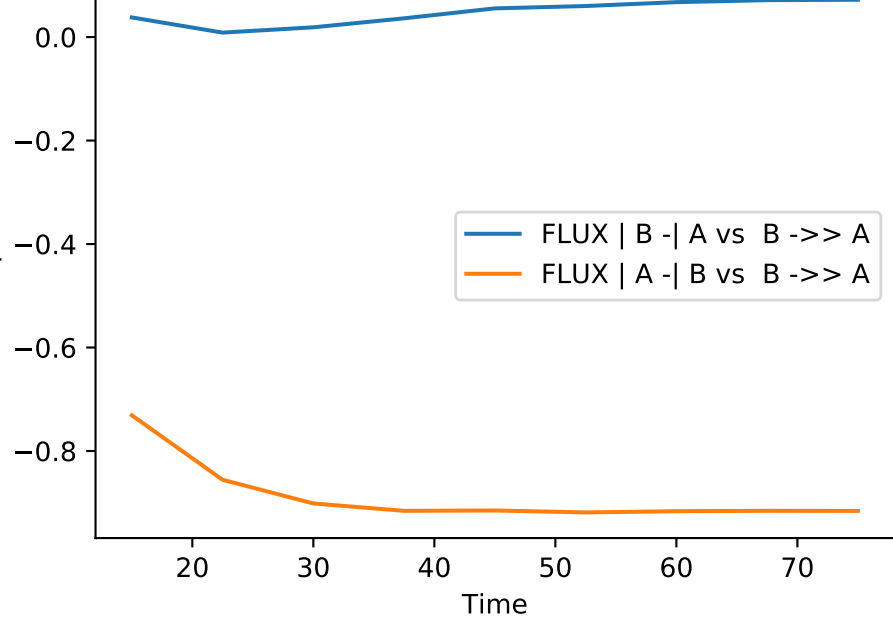
Single_up | MB-LLS Single_up(#269):

[0.0002, 2.4761, 0.0192, 0.1197, 0.001343, 0.0007591, 0.0423, 0.0206, 0.0789, 0.0000]

Reaction Rate per second

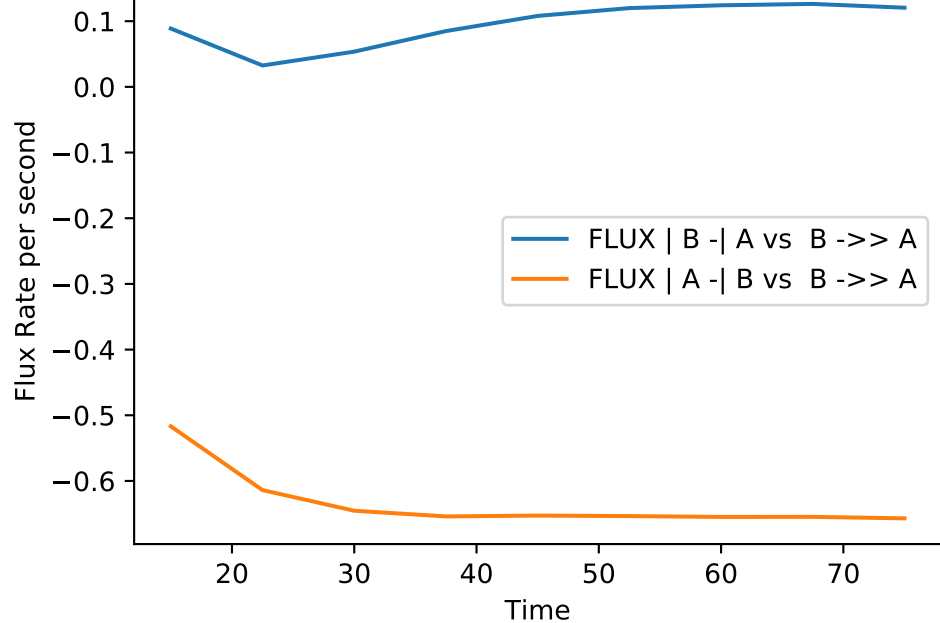
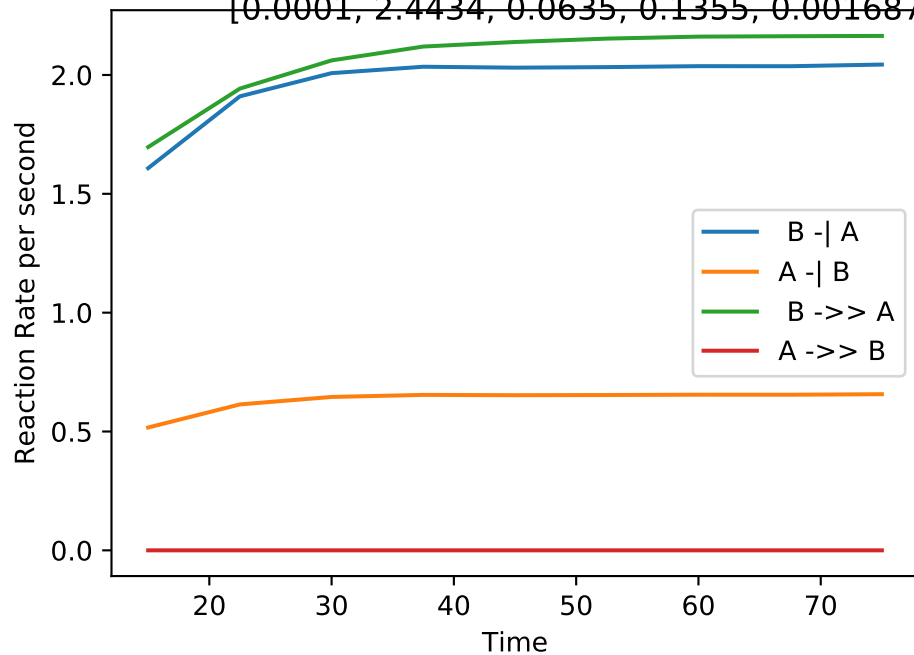


Flux Rate per second



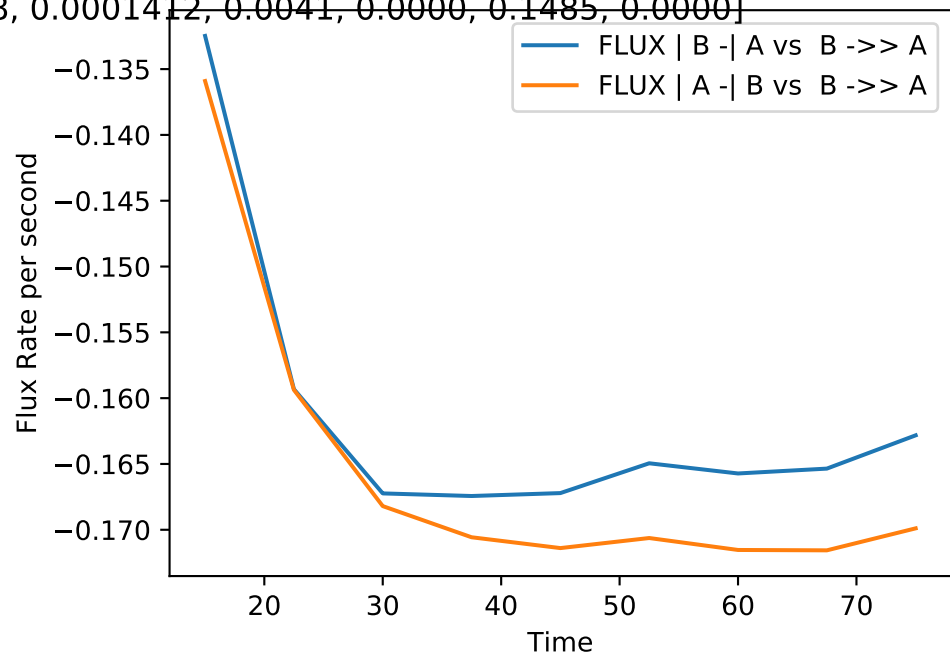
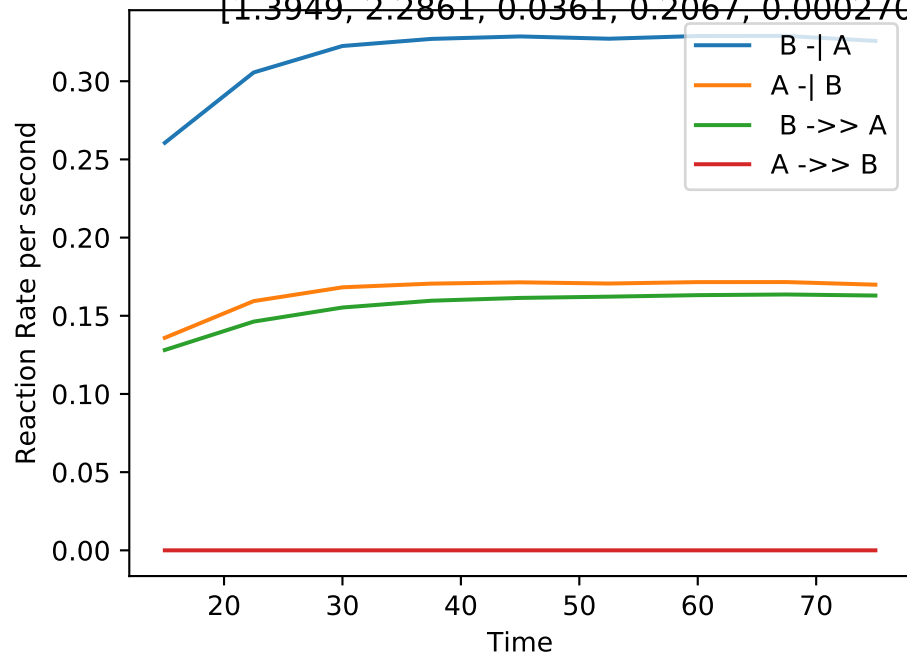
Single_up | MB-LLS Single_up(#270):

[0.0001, 2.4434, 0.0635, 0.1355, 0.001687, 0.0005423, 0.0541, 0.0624, 0.0885, 0.0000]



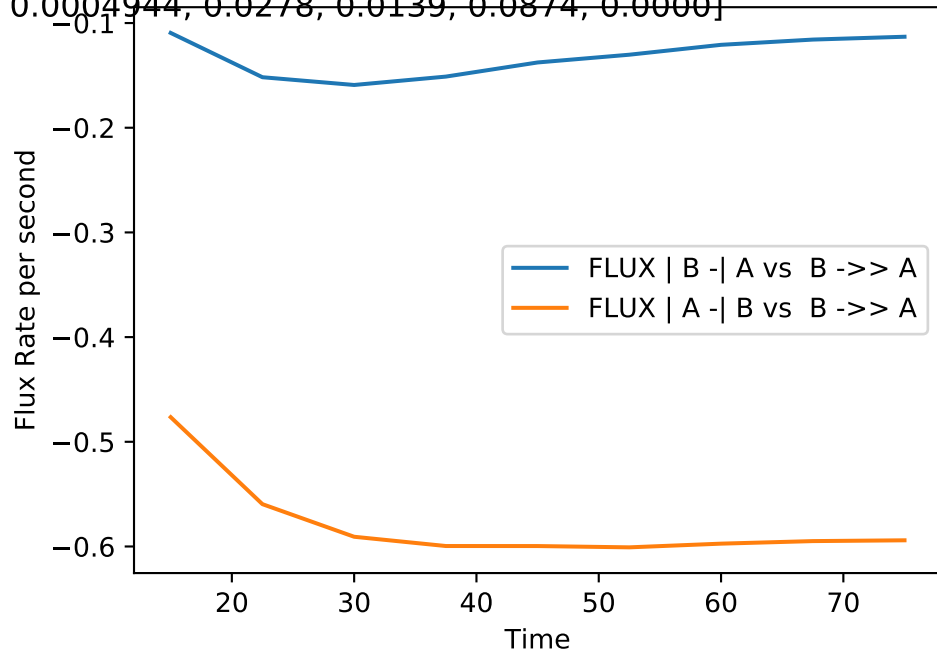
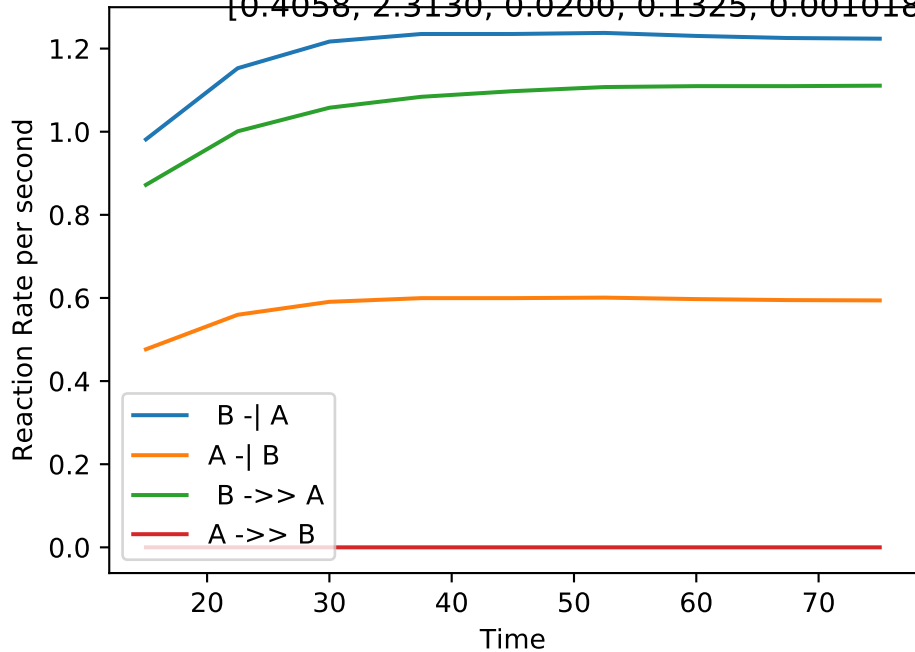
Single_up | MB-LLS Single_up(#271):

[1.3949, 2.2861, 0.0361, 0.2067, 0.0002708, 0.0001412, 0.0041, 0.0000, 0.1485, 0.0000]



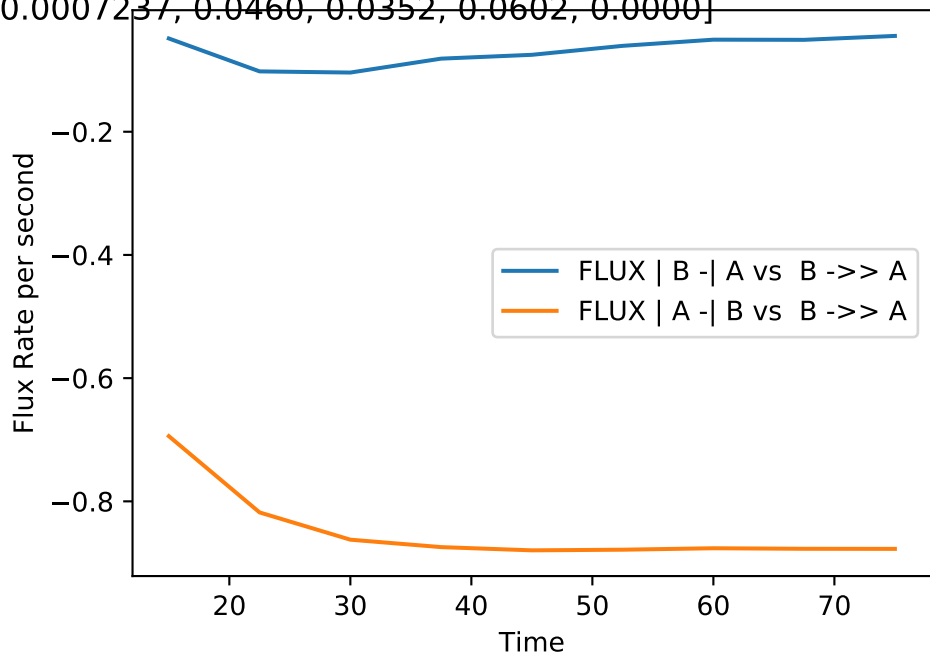
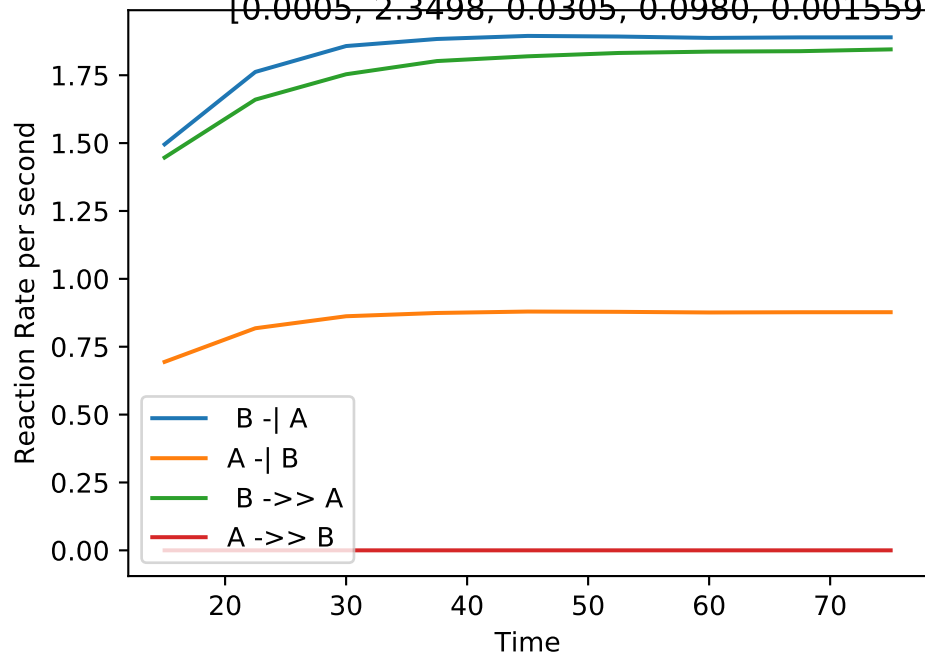
Single_up | MB-LLS Single_up(#272):

[0.4058, 2.3130, 0.0200, 0.1325, 0.001018, 0.0004944, 0.0278, 0.0139, 0.0874, 0.0000]



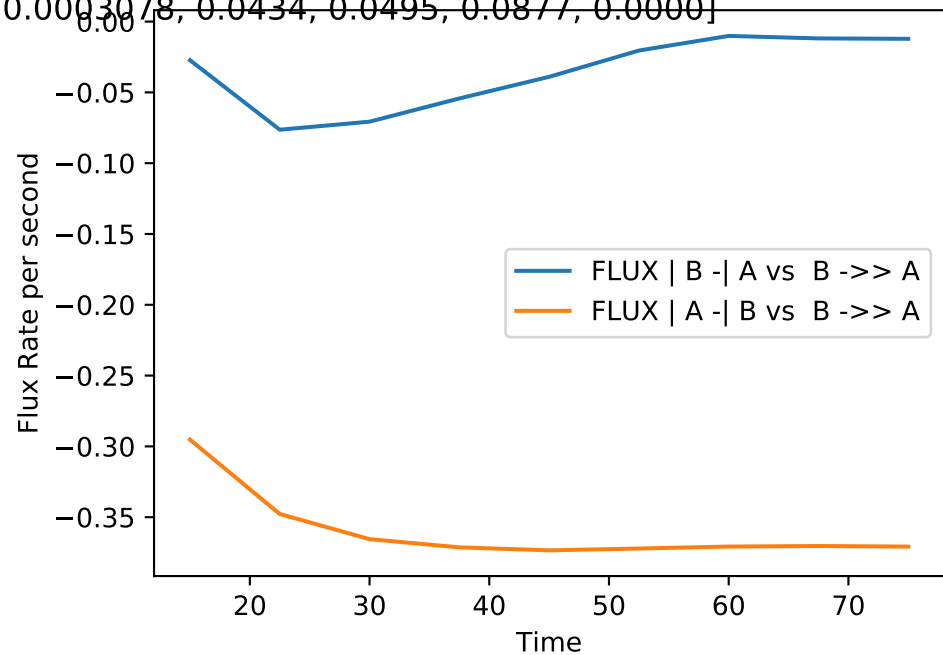
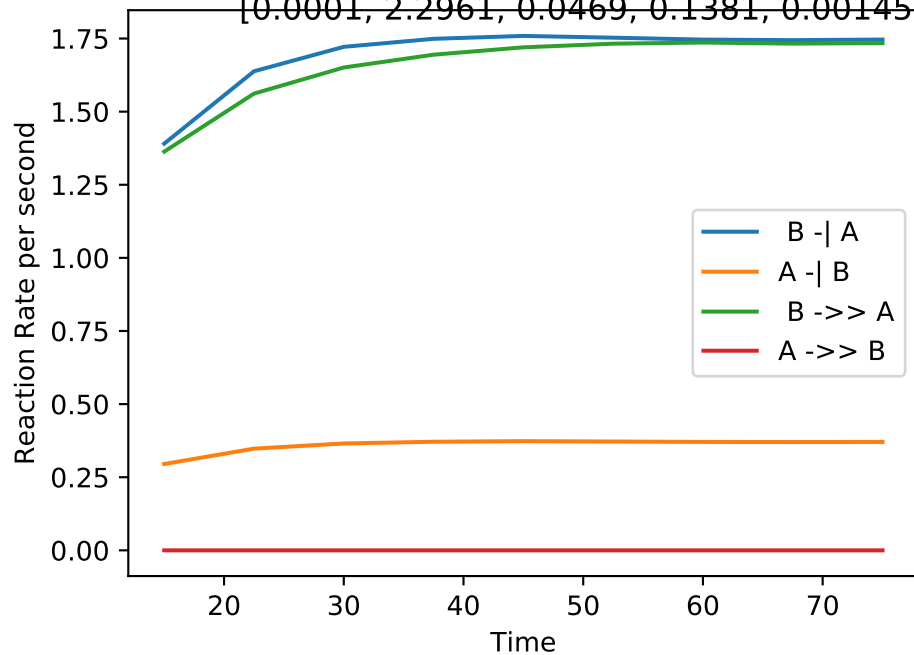
Single_up | MB-LLS Single_up(#273):

[0.0005, 2.3498, 0.0305, 0.0980, 0.001559, 0.0007237, 0.0460, 0.0352, 0.0602, 0.0000]



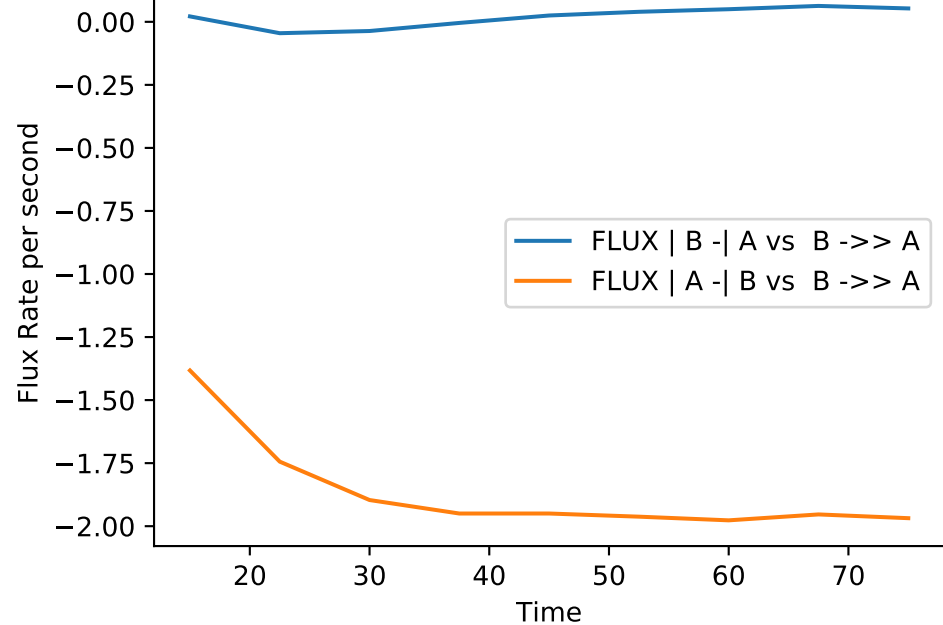
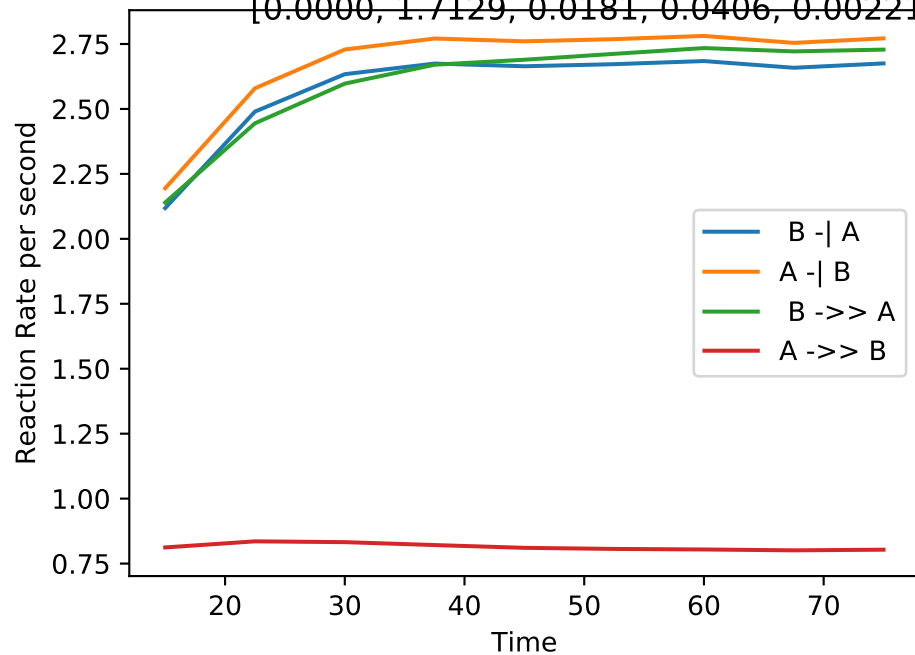
Single_up | MB-LLS Single_up(#274):

[0.0001, 2.2961, 0.0469, 0.1381, 0.00145, 0.0003078, 0.0434, 0.0495, 0.0877, 0.0000]



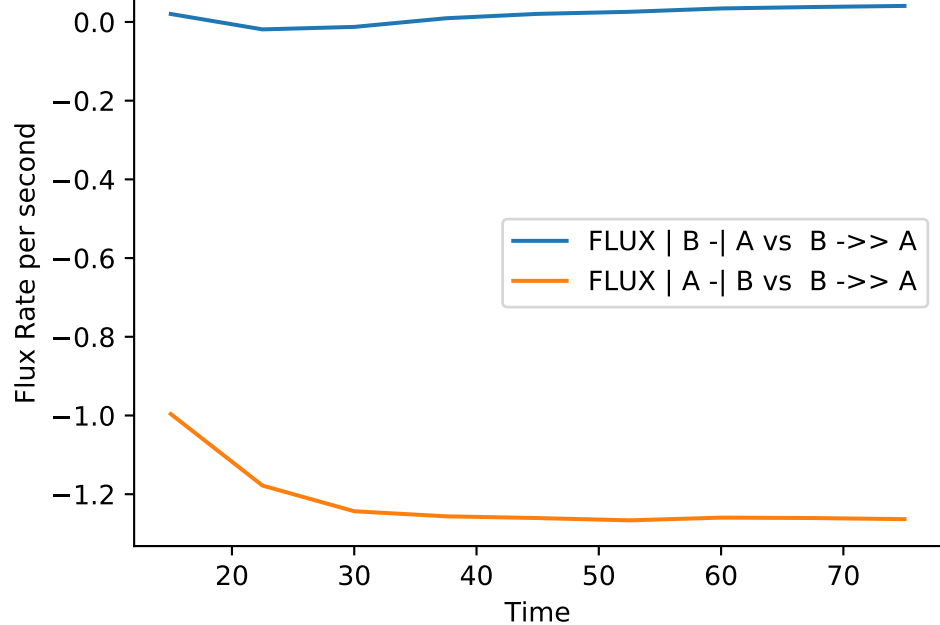
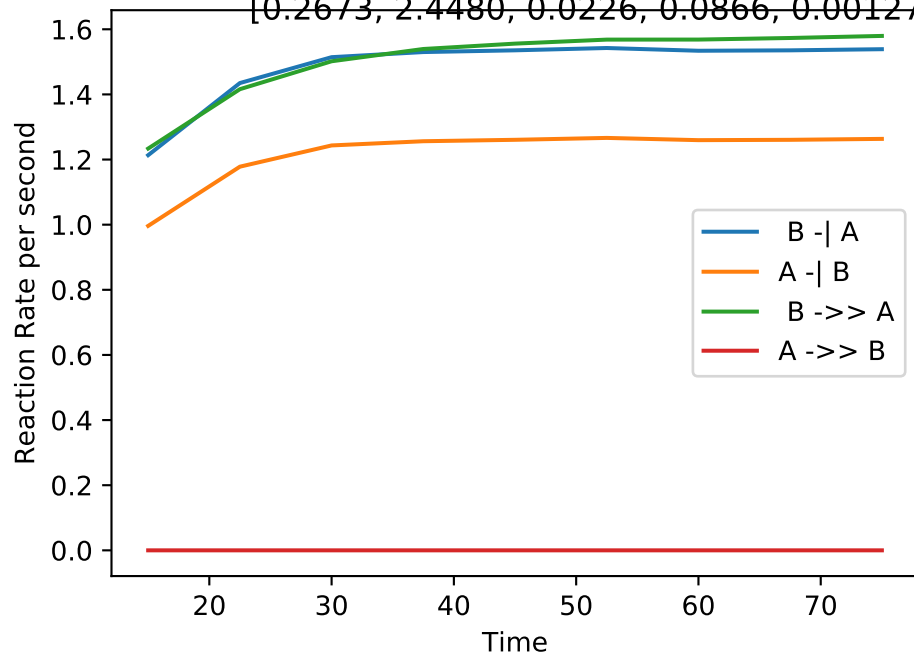
Single_up | MB-LLS Single_up(#275):

[0.0000, 1.7129, 0.0181, 0.0406, 0.002211, 0.00229, 0.0681, 0.0234, 0.0468, 0.0263]



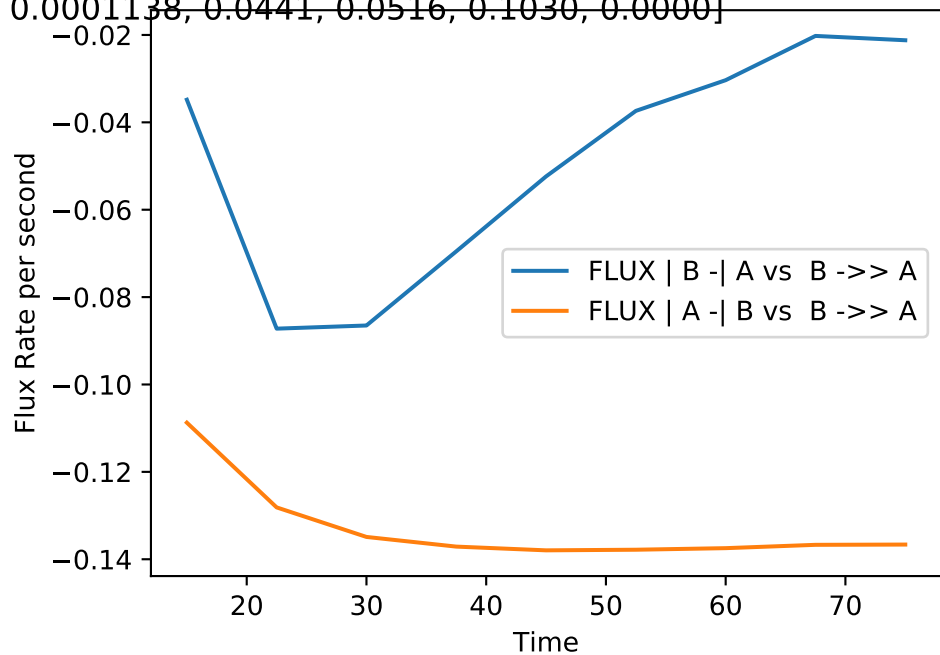
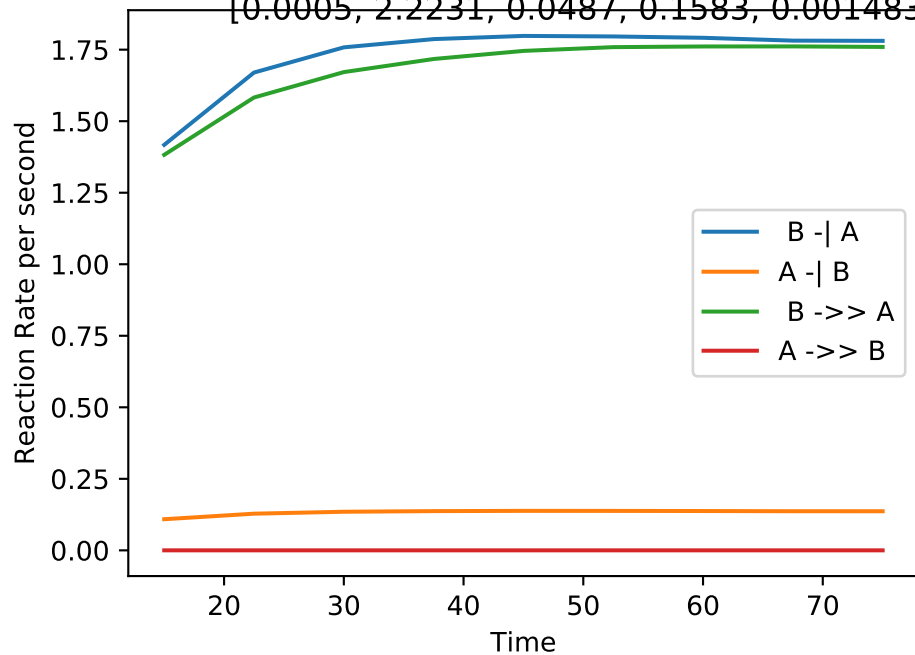
Single_up | MB-LLS Single_up(#276):

[0.2673, 2.4480, 0.0226, 0.0866, 0.00127, 0.001043, 0.0394, 0.0170, 0.0562, 0.0000]



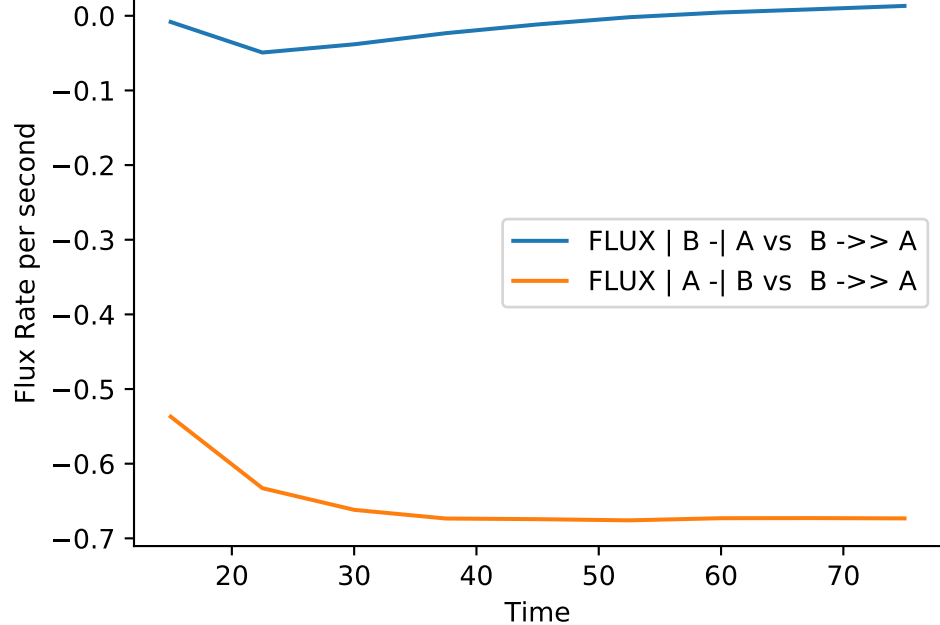
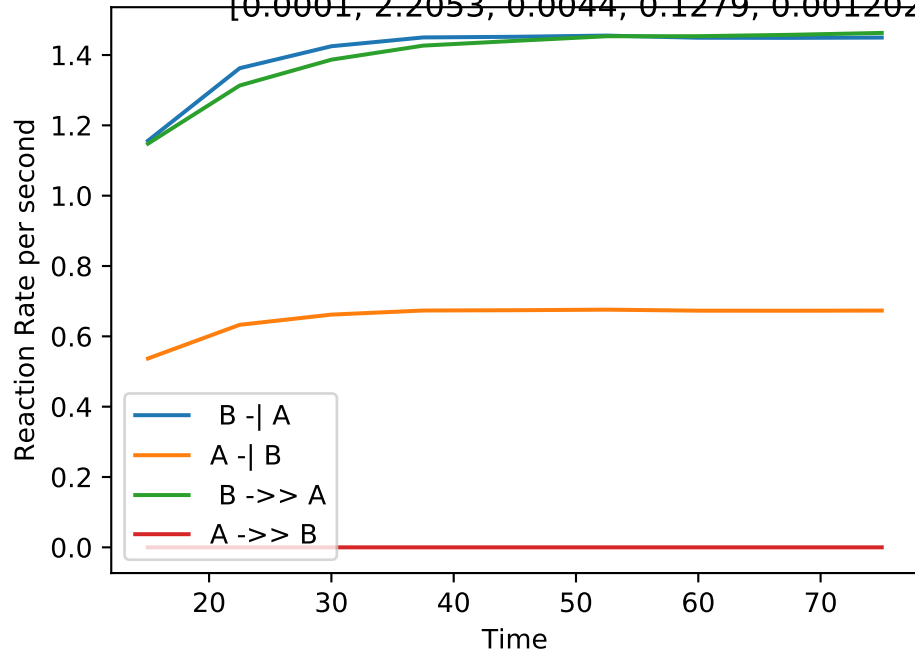
Single_up | MB-LLS Single_up(#277):

[0.0005, 2.2231, 0.0487, 0.1583, 0.001483, 0.0001138, 0.0441, 0.0516, 0.1030, 0.0000]



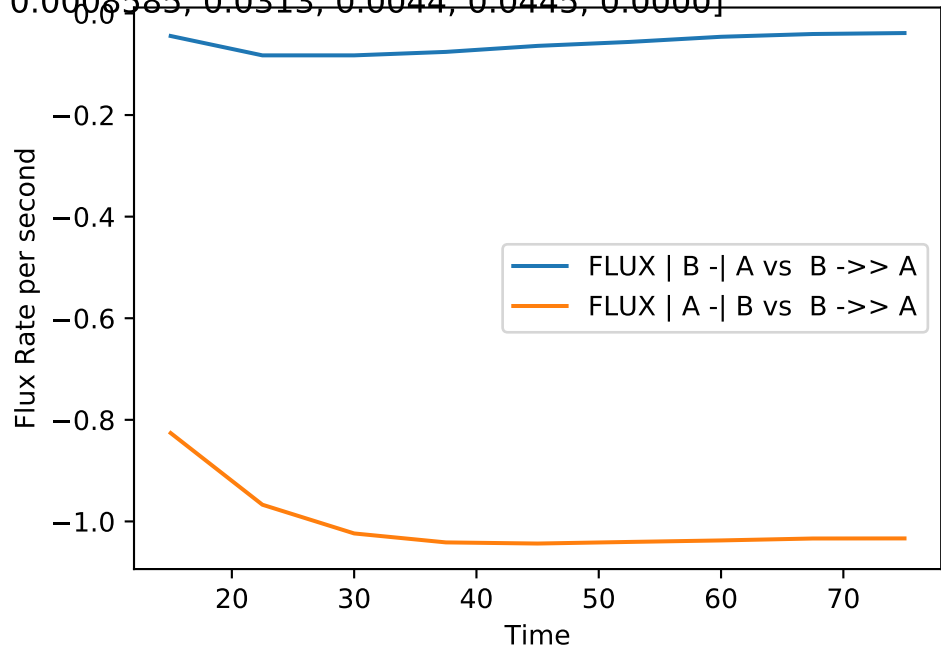
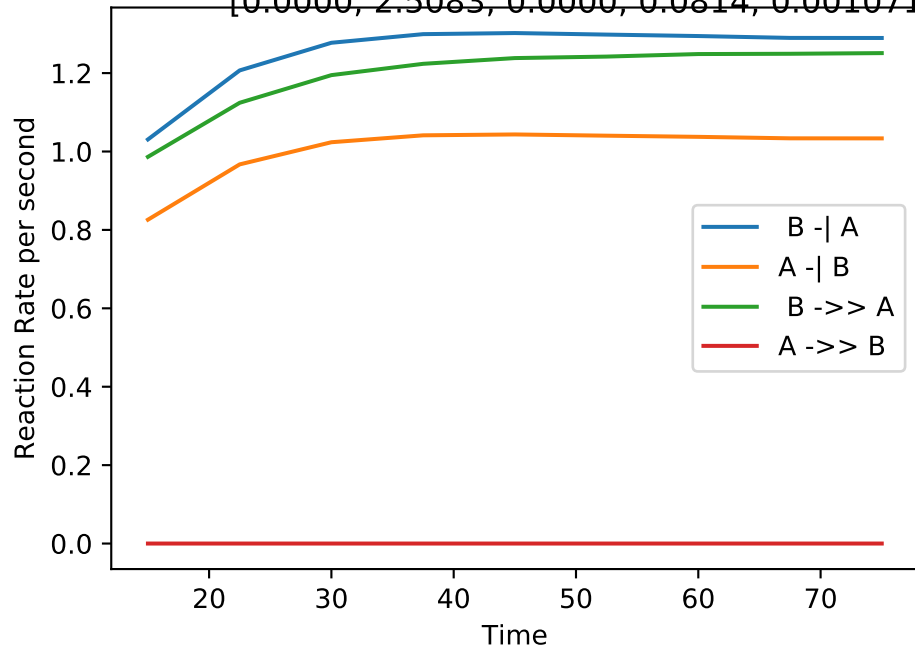
Single_up | MB-LLS Single_up(#278):

[0.0001, 2.2053, 0.0044, 0.1279, 0.001202, 0.0005584, 0.0365, 0.0077, 0.0874, 0.0000]



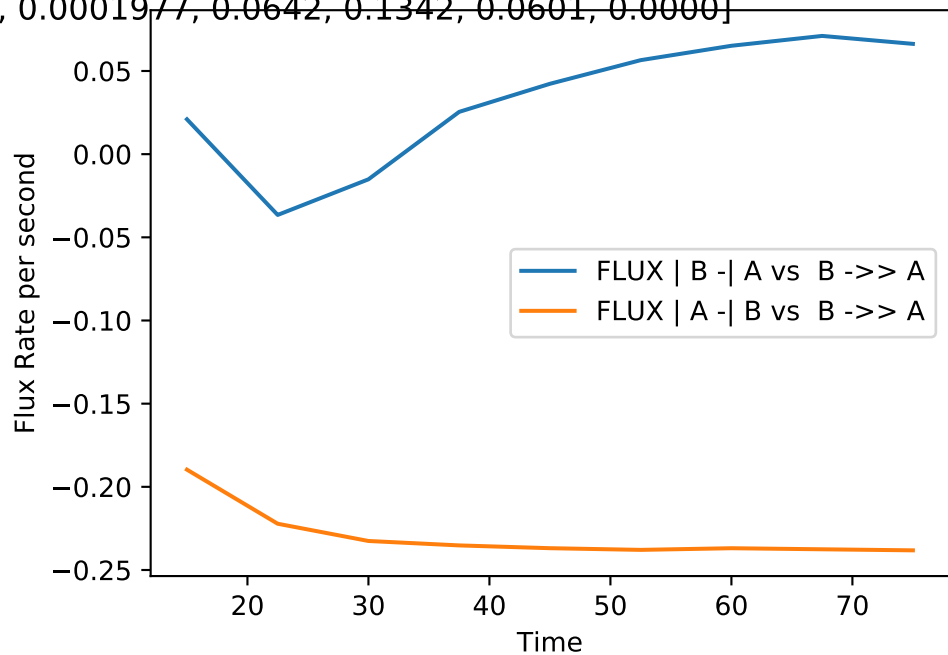
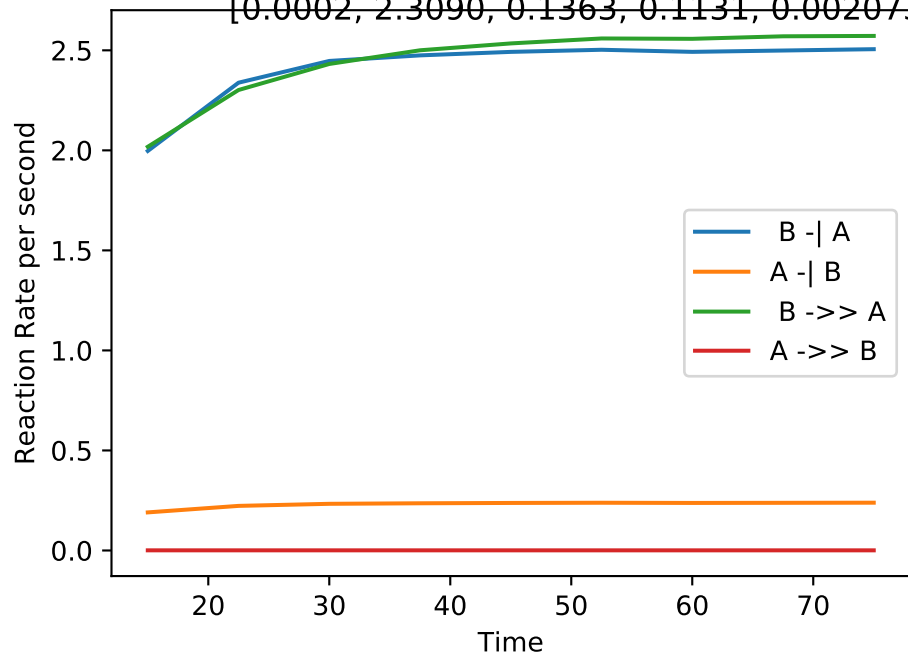
Single_up | MB-LLS Single_up(#279):

[0.0000, 2.5083, 0.0000, 0.0814, 0.001071, 0.0008585, 0.0313, 0.0044, 0.0445, 0.0000]



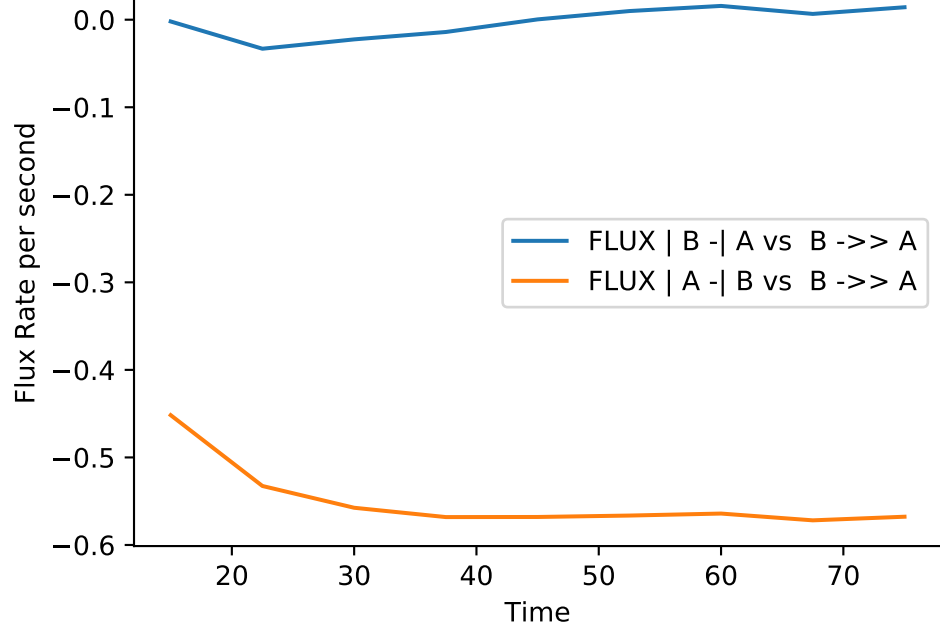
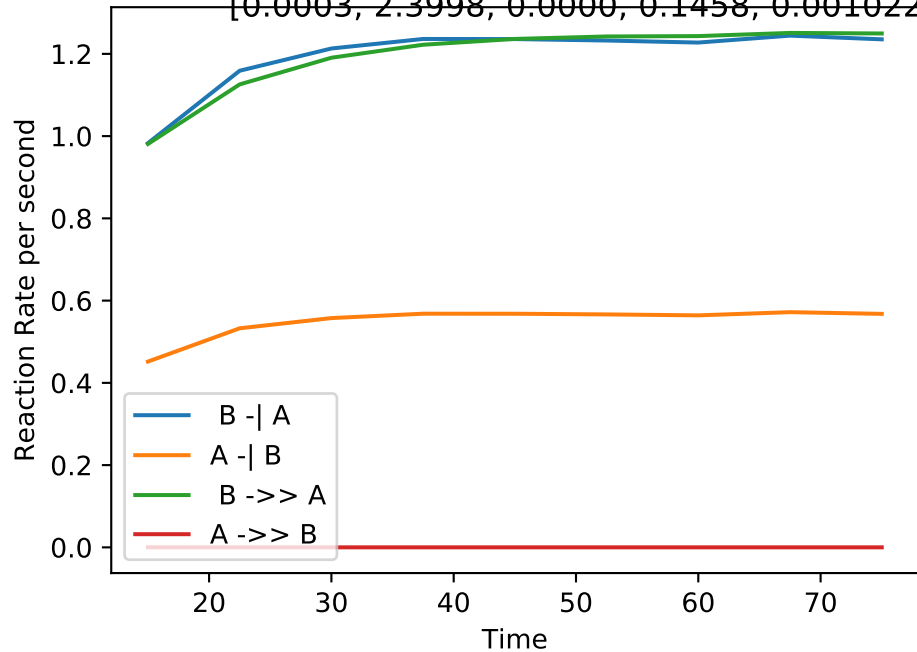
Single_up | MB-LLS Single_up(#280):

[0.0002, 2.3090, 0.1363, 0.1131, 0.002073, 0.0001977, 0.0642, 0.1342, 0.0601, 0.0000]



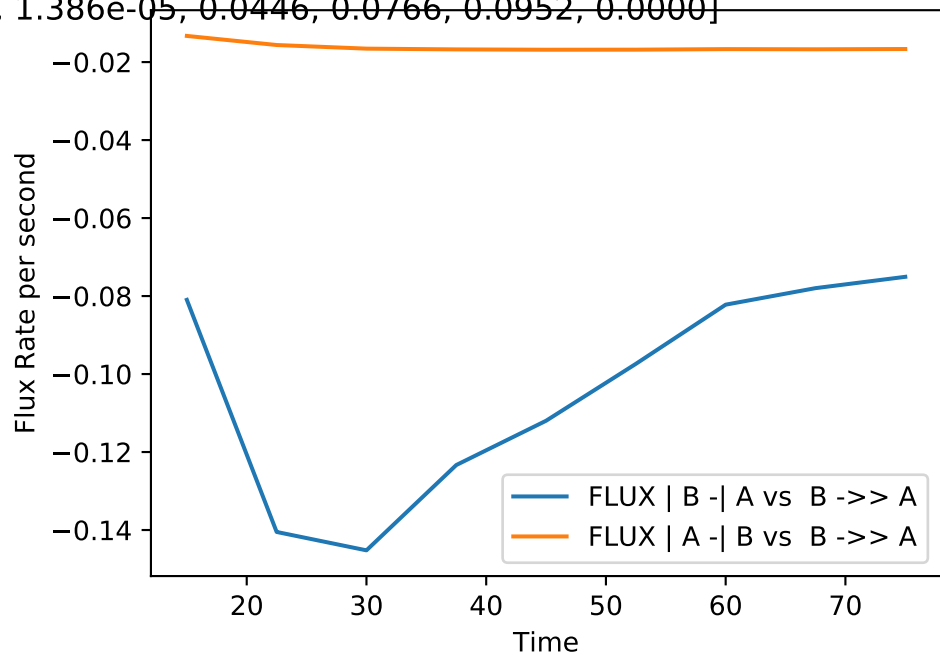
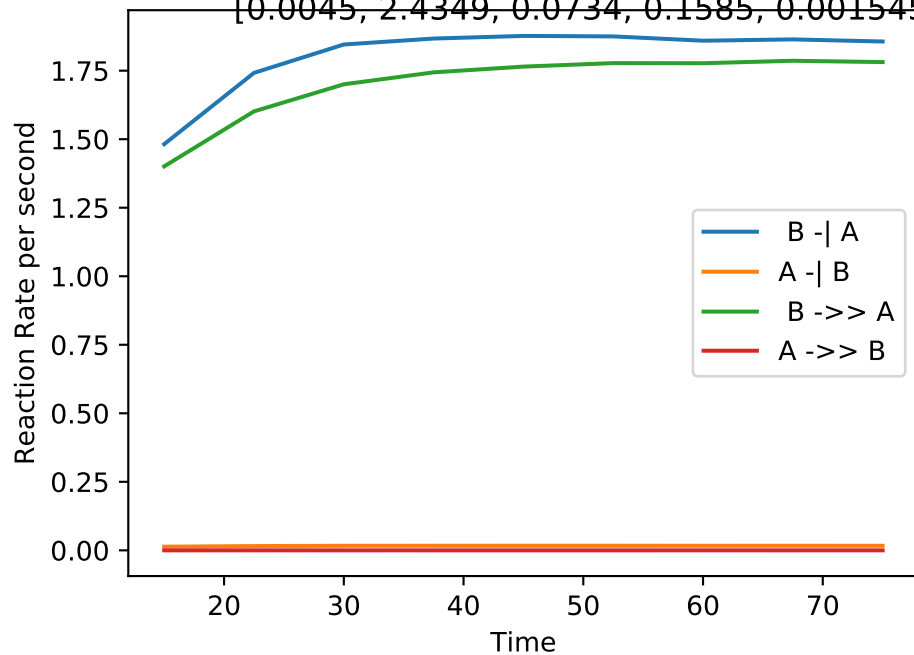
Single_up | MB-LLS Single_up(#281):

[0.0003, 2.3998, 0.0000, 0.1458, 0.001022, 0.0004697, 0.0312, 0.0025, 0.0971, 0.0000]



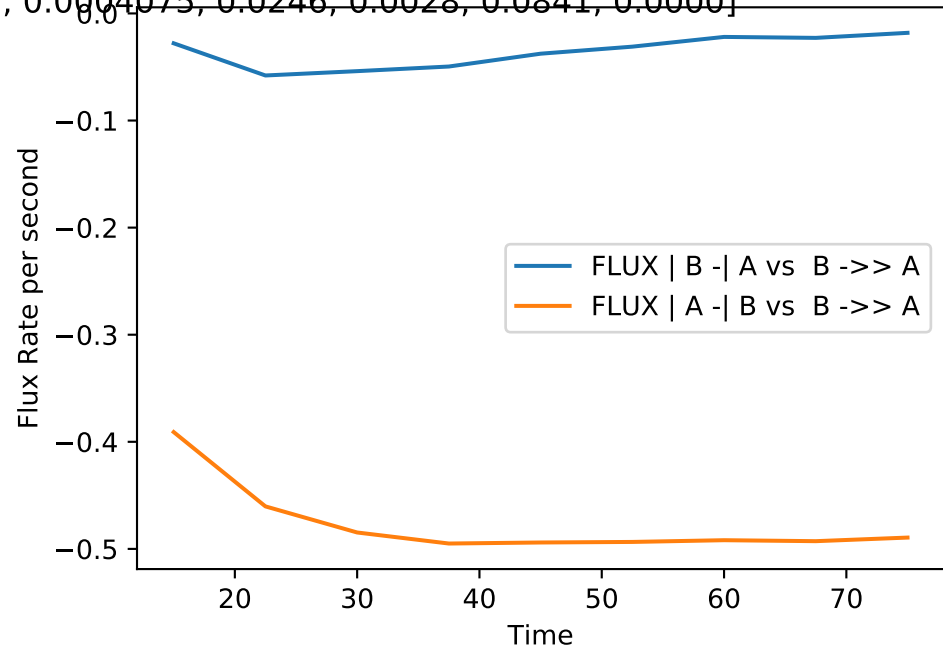
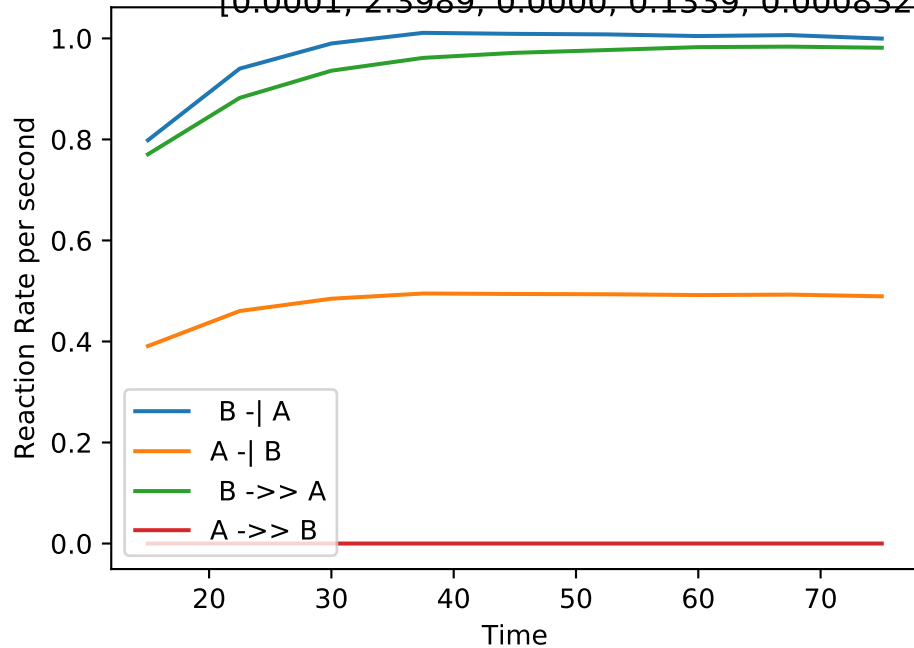
Single_up | MB-LLS Single_up(#282):

[0.0045, 2.4349, 0.0734, 0.1585, 0.001545, 1.386e-05, 0.0446, 0.0766, 0.0952, 0.0000]



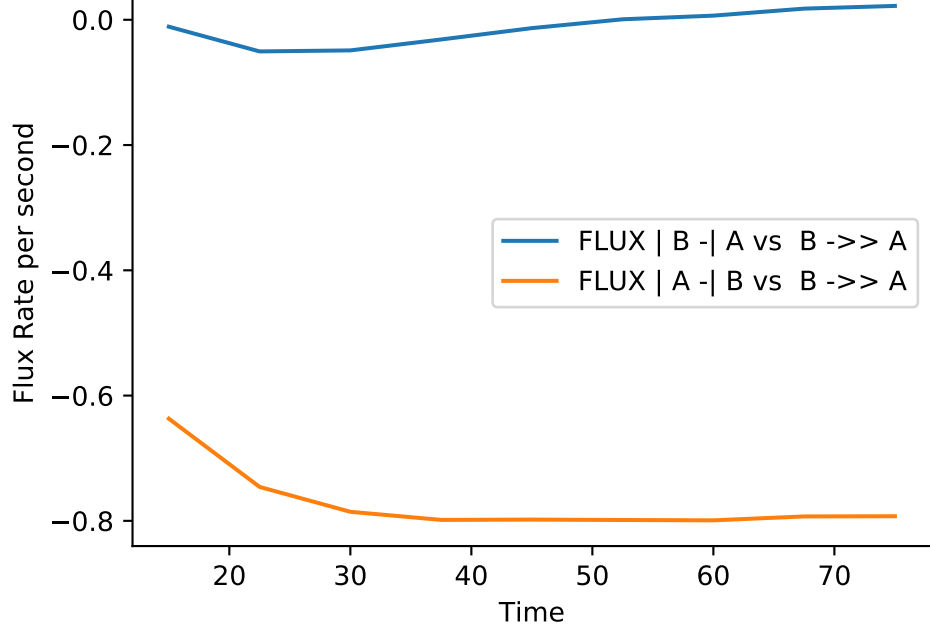
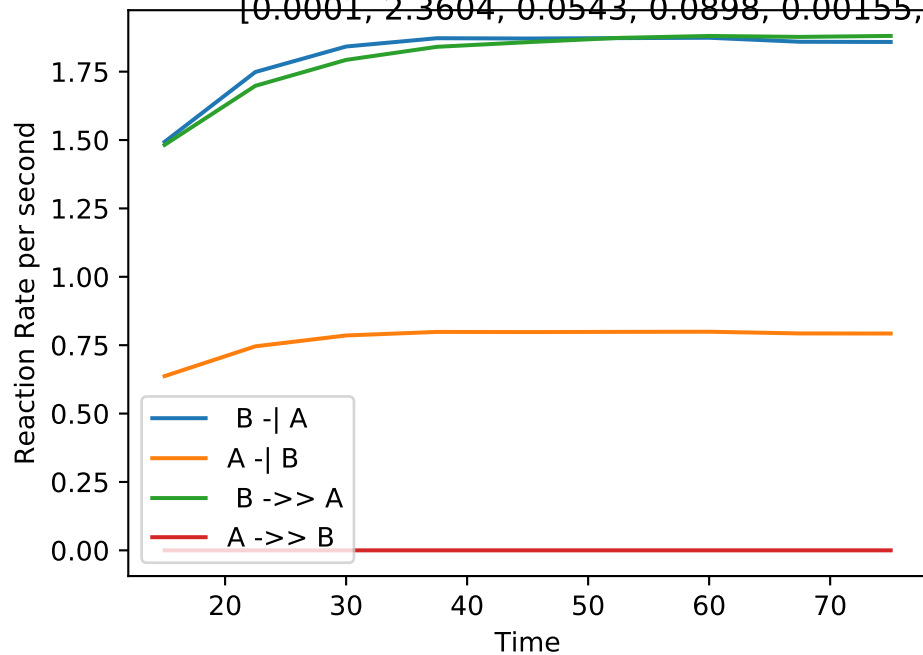
Single_up | MB-LLS Single_up(#283):

[0.0001, 2.3989, 0.0000, 0.1339, 0.0008323, 0.0004075, 0.0246, 0.0028, 0.0841, 0.0000]



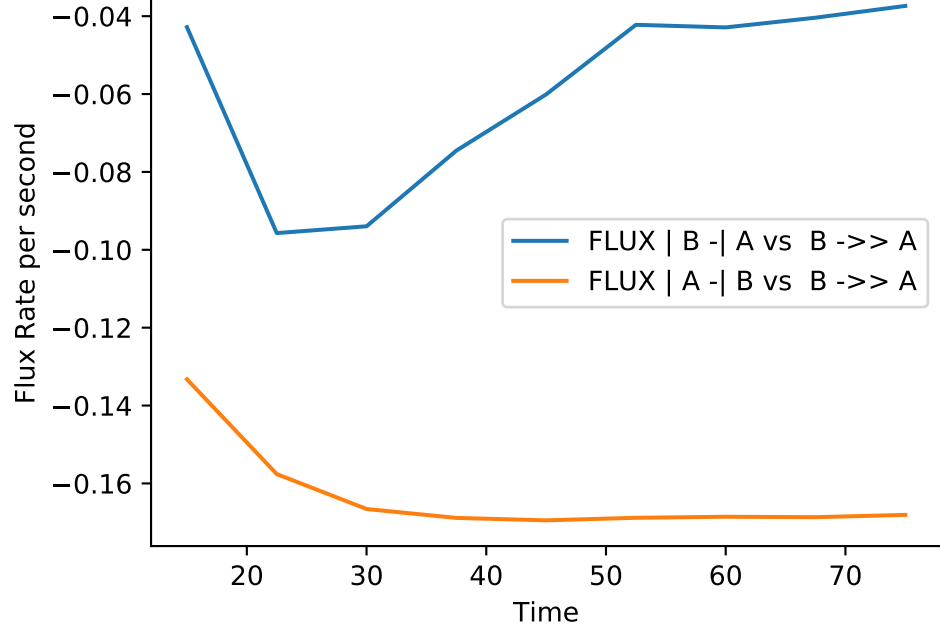
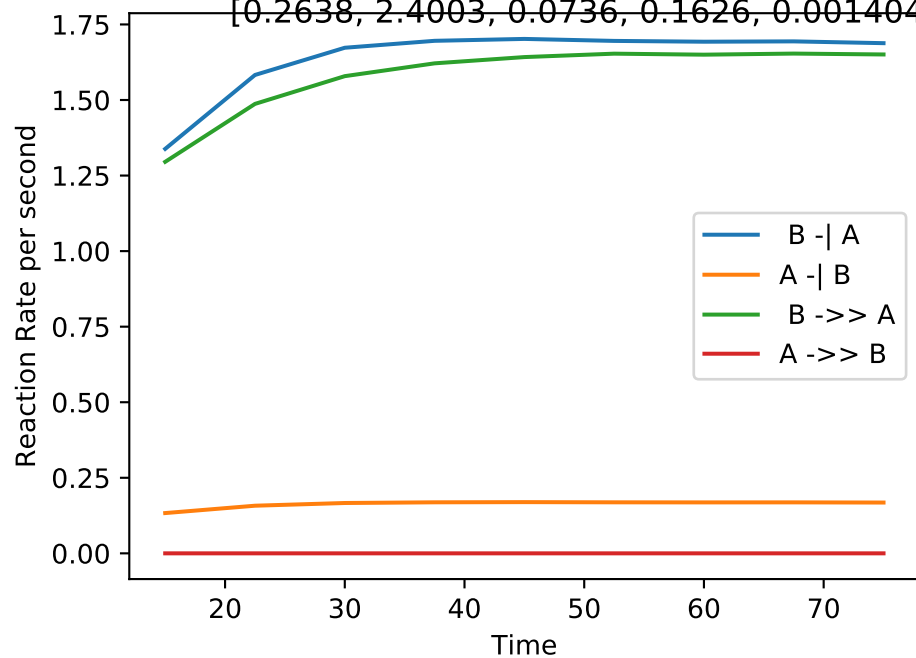
Single_up | MB-LLS Single_up(#284):

[0.0001, 2.3604, 0.0543, 0.0898, 0.00155, 0.0006609, 0.0471, 0.0562, 0.0502, 0.0000]



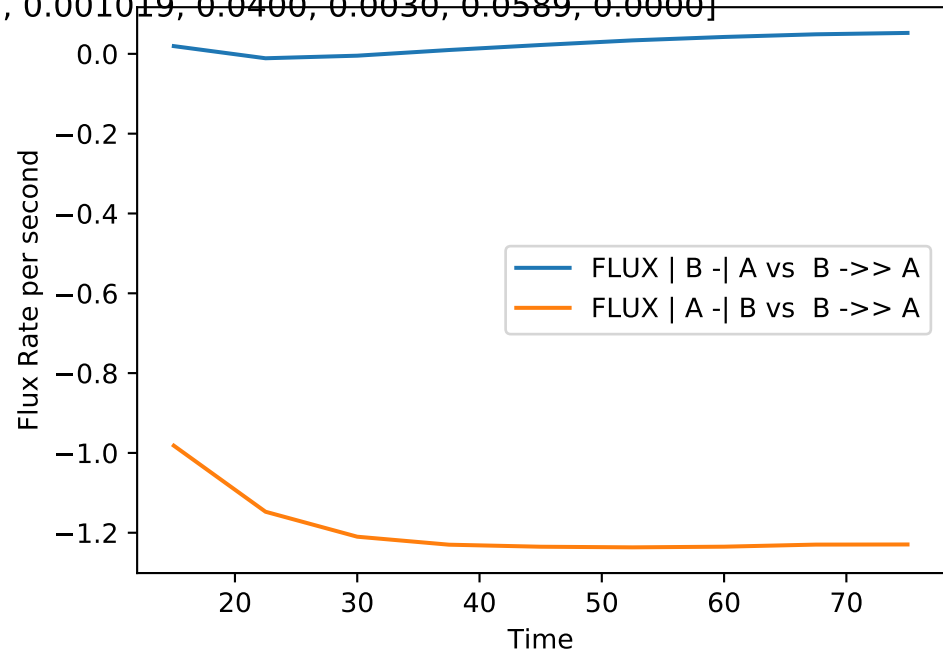
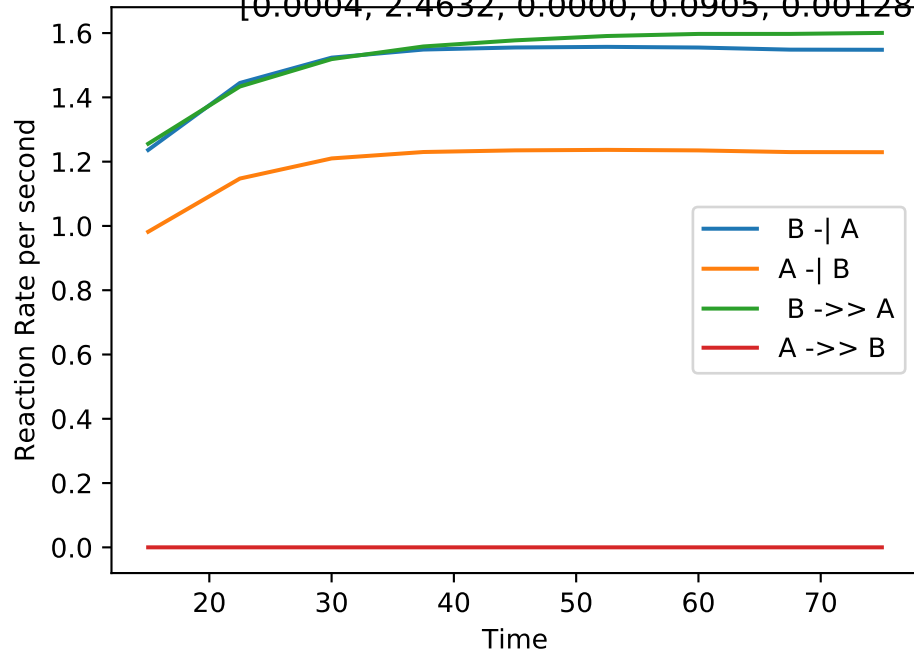
Single_up | MB-LLS Single_up(#285):

[0.2638, 2.4003, 0.0736, 0.1626, 0.001404, 0.0001398, 0.0413, 0.0680, 0.1037, 0.0000]



Single_up | MB-LLS Single_up(#286):

[0.0004, 2.4632, 0.0000, 0.0905, 0.001283, 0.001019, 0.0400, 0.0030, 0.0589, 0.0000]



Single_up | MB-LLS Single_up(#287):

[0.0290, 2.3936, 0.0812, 0.1216, 0.001697, 0.0003769, 0.0513, 0.0817, 0.0716, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

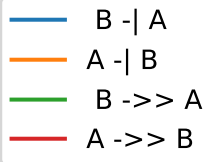
40

50

60

70

Time



Flux Rate per second

0.0
-0.1
-0.2
-0.3
-0.4

20

30

40

50

60

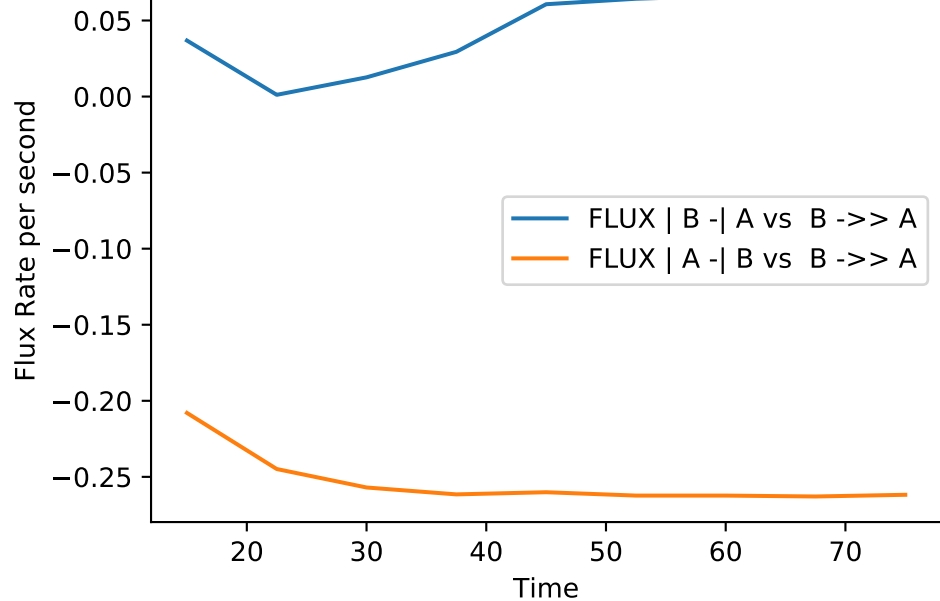
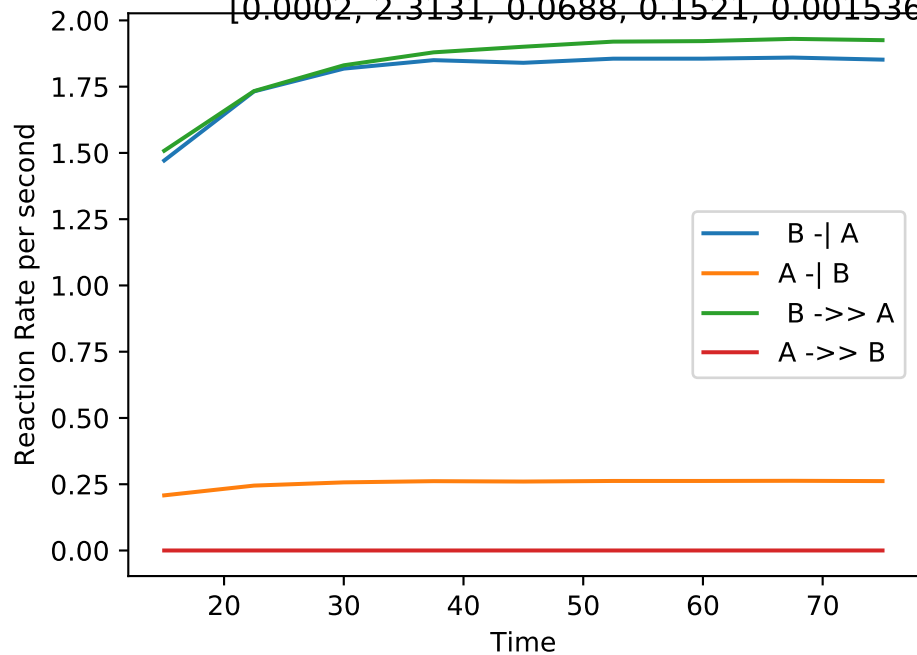
70

Time



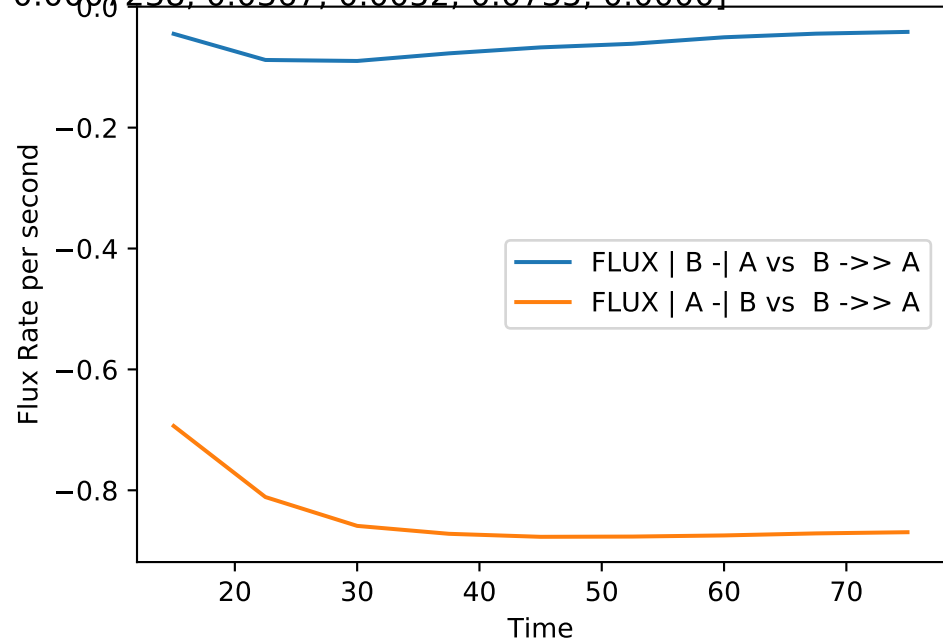
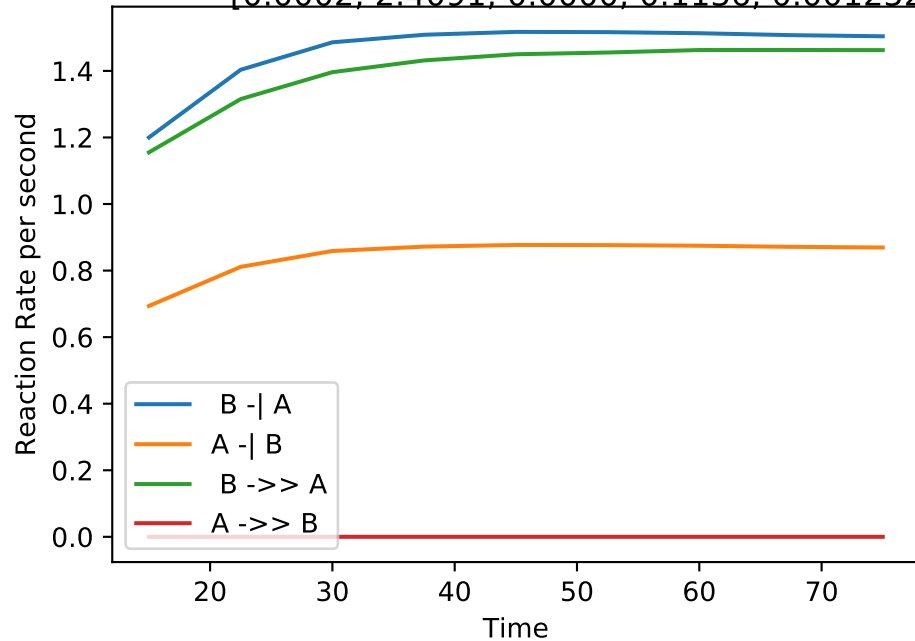
Single_up | MB-LLS Single_up(#288):

[0.0002, 2.3131, 0.0688, 0.1521, 0.001536, 0.0002171, 0.0482, 0.0683, 0.0979, 0.0000]



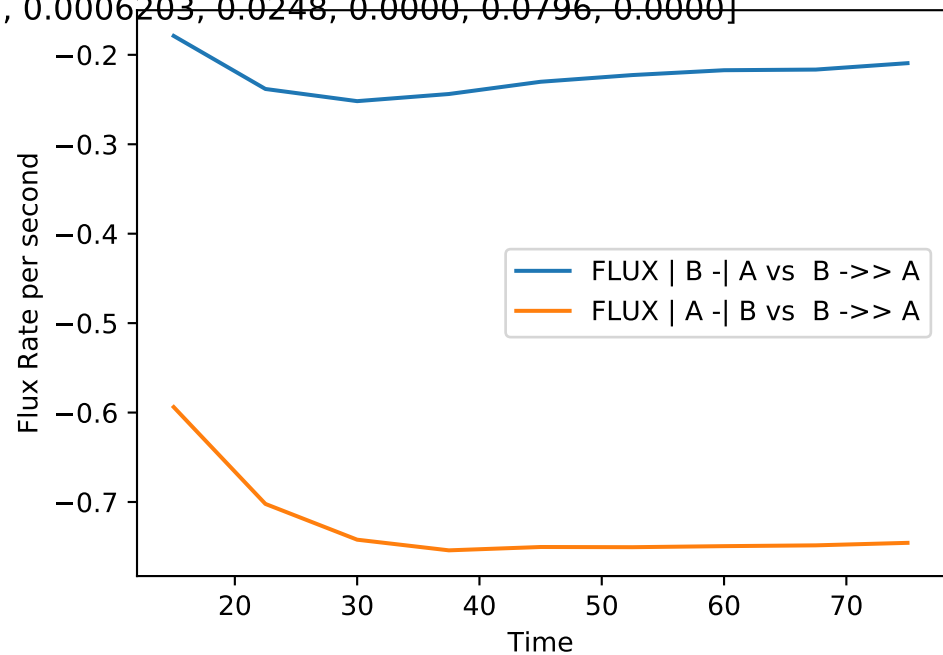
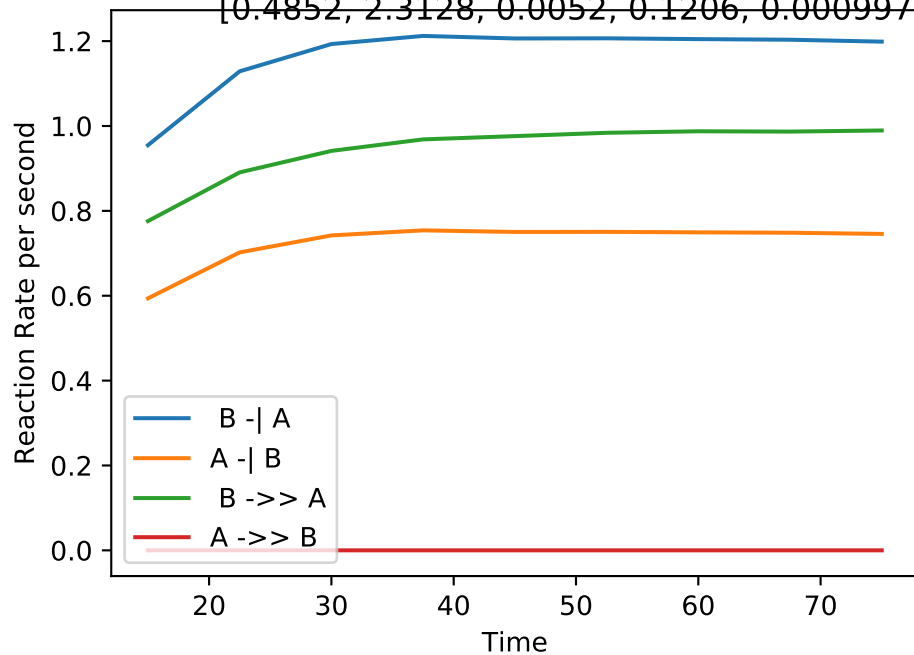
Single_up | MB-LLS Single_up(#289):

[0.0002, 2.4091, 0.0000, 0.1136, 0.001252, 0.0007238, 0.0367, 0.0052, 0.0735, 0.0000]



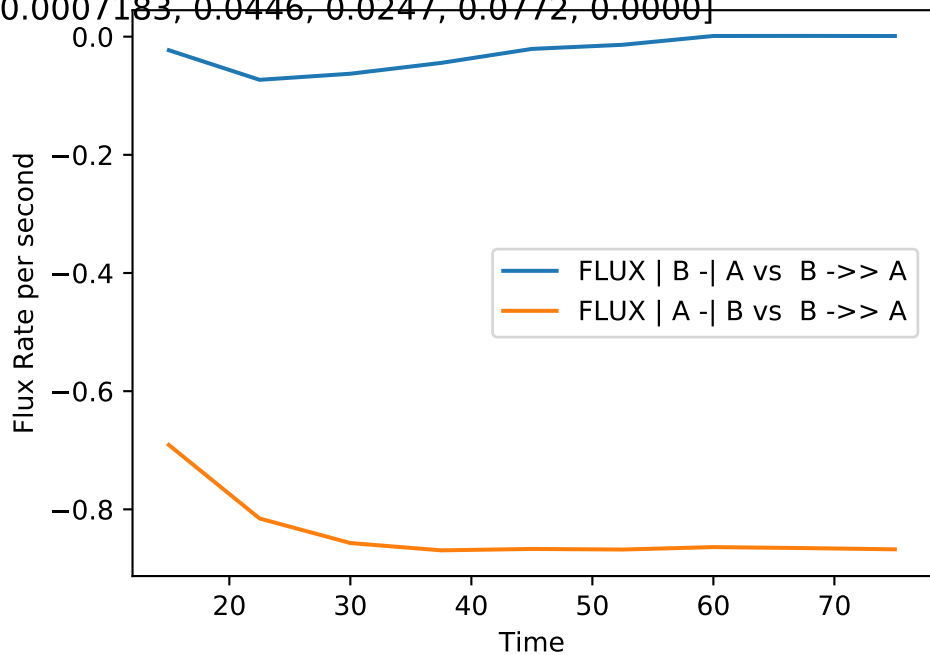
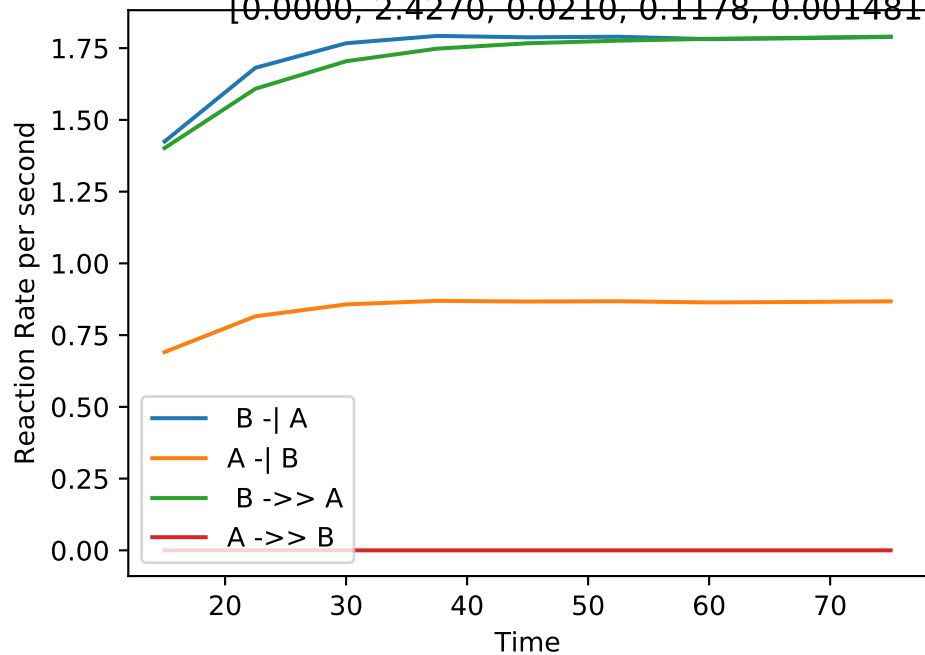
Single_up | MB-LLS Single_up(#290):

[0.4852, 2.3128, 0.0052, 0.1206, 0.0009973, 0.0006203, 0.0248, 0.0000, 0.0796, 0.0000]



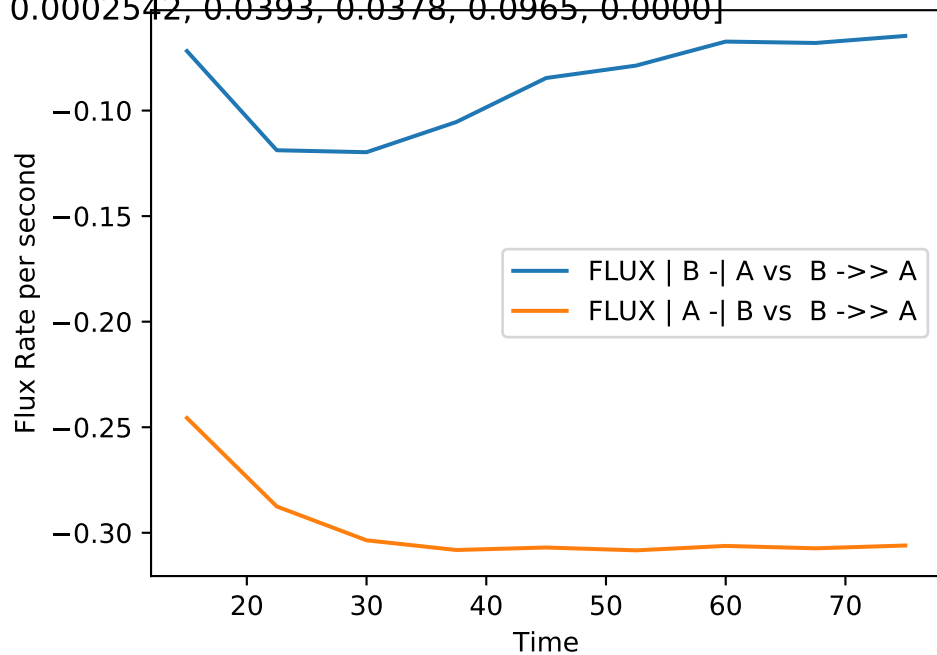
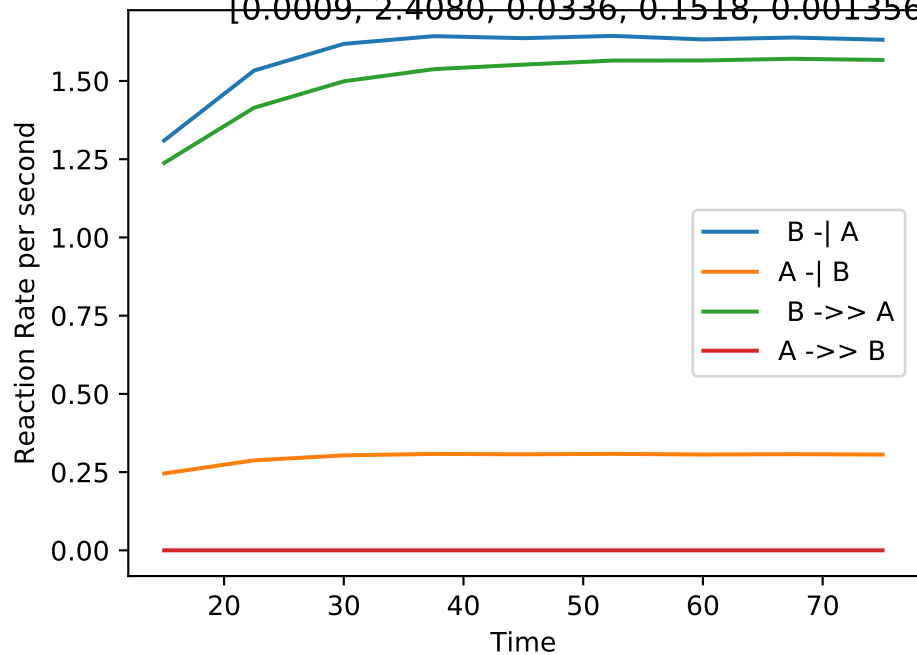
Single_up | MB-LLS Single_up(#291):

[0.0000, 2.4270, 0.0210, 0.1178, 0.001481, 0.0007183, 0.0446, 0.0247, 0.0772, 0.0000]



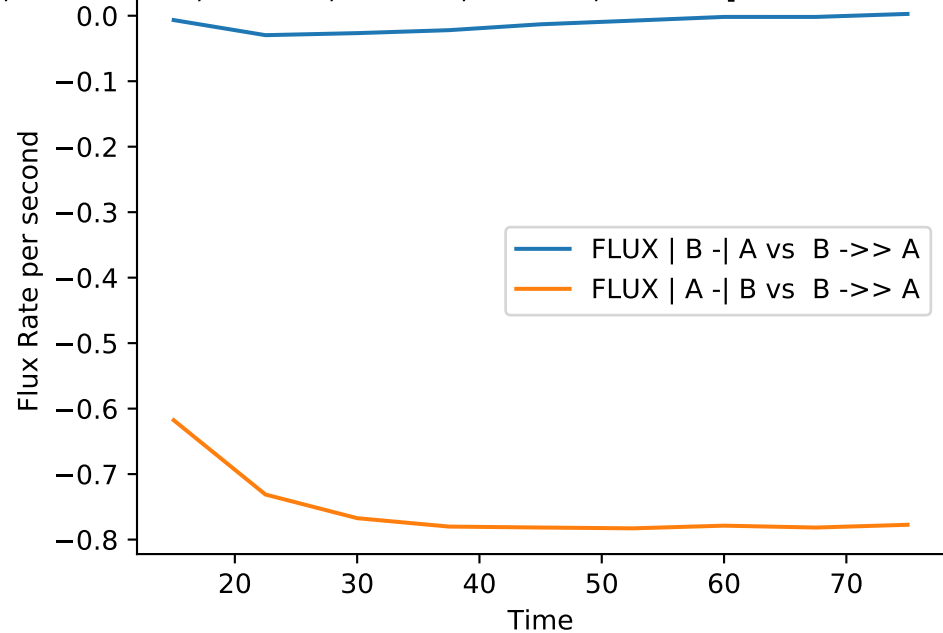
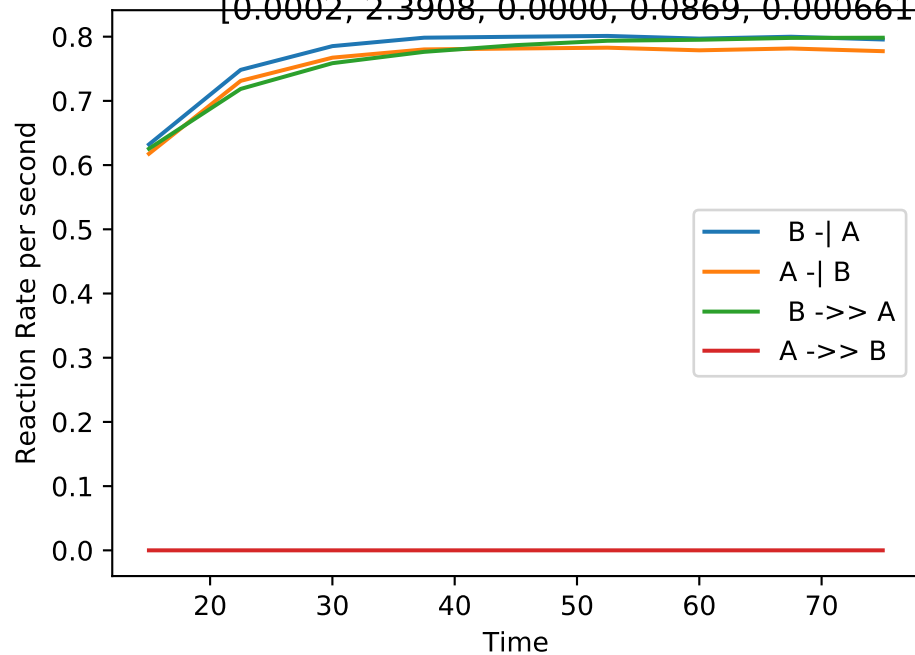
Single_up | MB-LLS Single_up(#292):

[0.0009, 2.4080, 0.0336, 0.1518, 0.001356, 0.0002542, 0.0393, 0.0378, 0.0965, 0.0000]



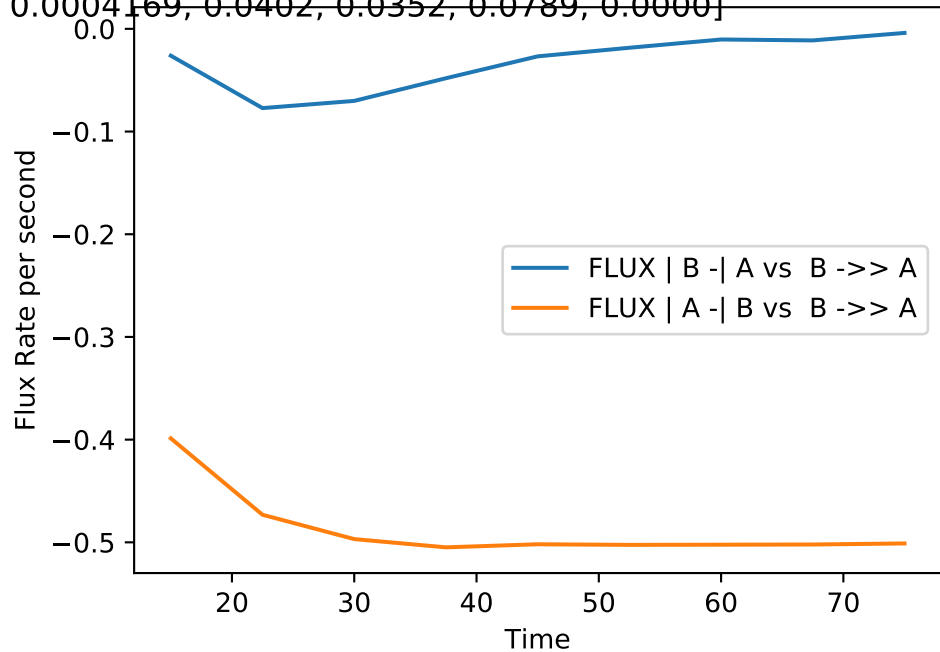
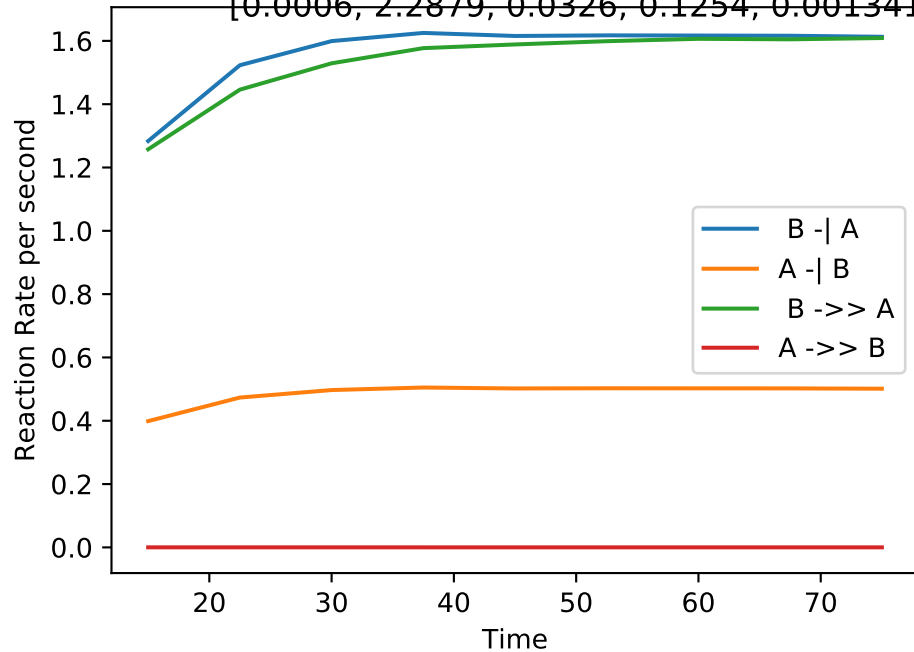
Single_up | MB-LLS Single_up(#293):

[0.0002, 2.3908, 0.0000, 0.0869, 0.0006612, 0.0006461, 0.0199, 0.0017, 0.0462, 0.0000]



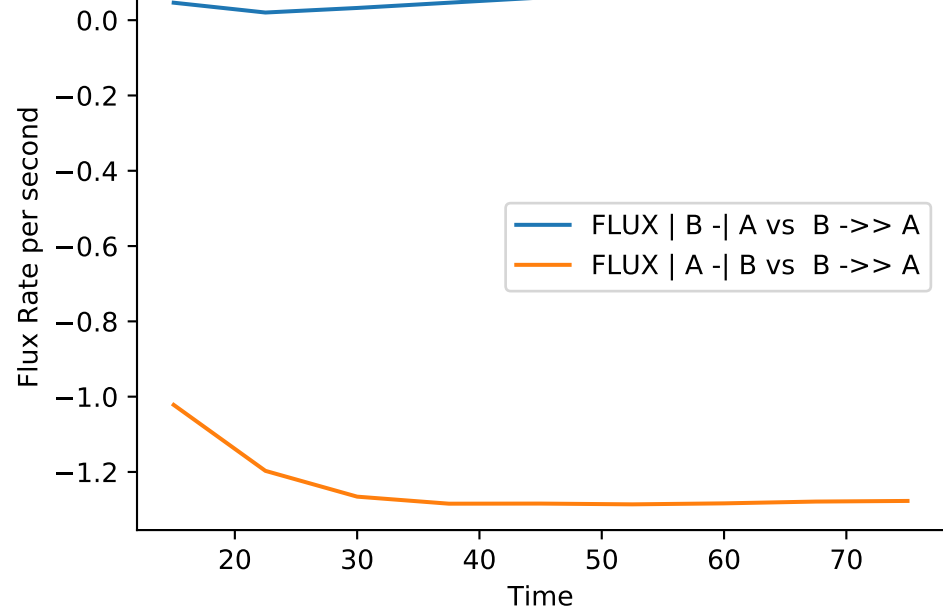
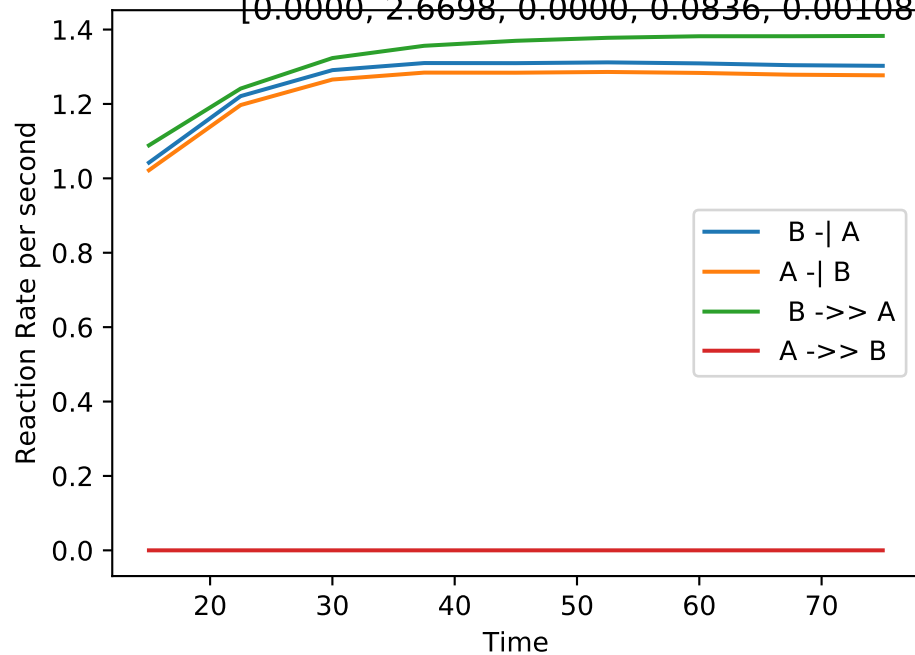
Single_up | MB-LLS Single_up(#294):

[0.0006, 2.2879, 0.0326, 0.1254, 0.001341, 0.0004169, 0.0402, 0.0352, 0.0789, 0.0000]



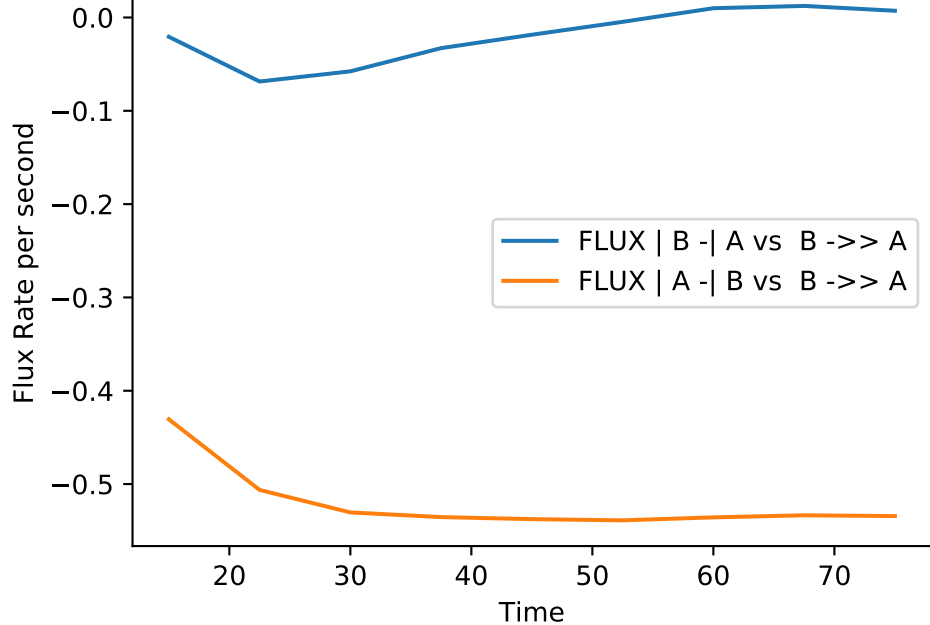
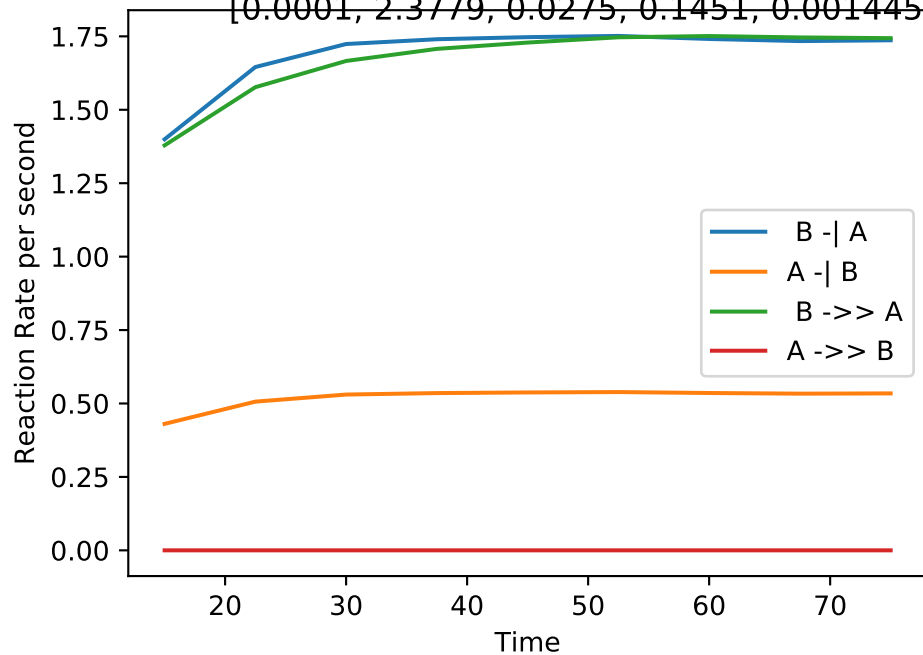
Single_up | MB-LLS Single_up(#295):

[0.0000, 2.6698, 0.0000, 0.0836, 0.001082, 0.001061, 0.0346, 0.0013, 0.0487, 0.0000]



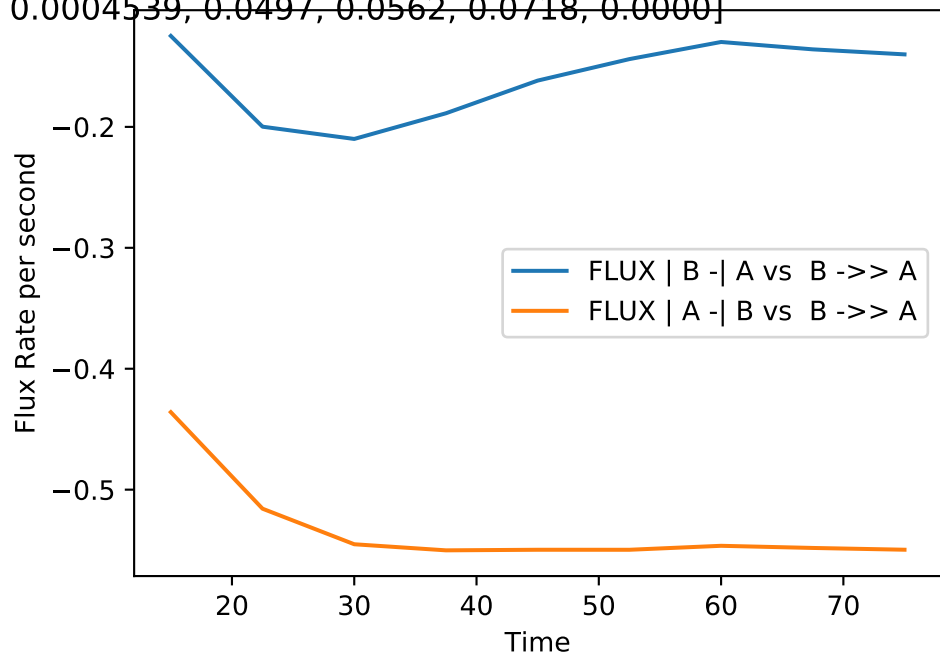
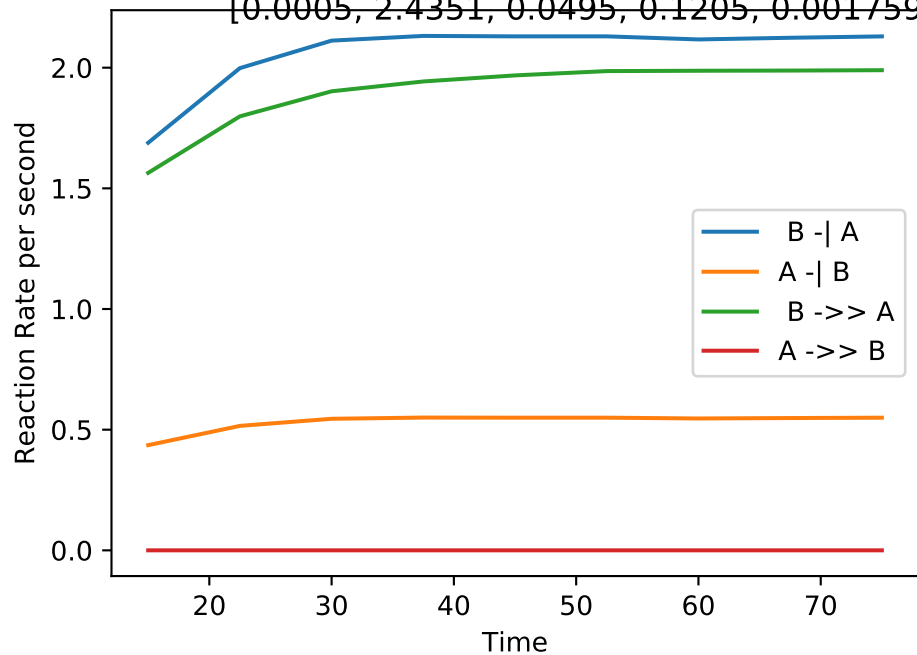
Single_up | MB-LLS Single_up(#296):

[0.0001, 2.3779, 0.0275, 0.1451, 0.001445, 0.0004447, 0.0437, 0.0305, 0.0963, 0.0000]



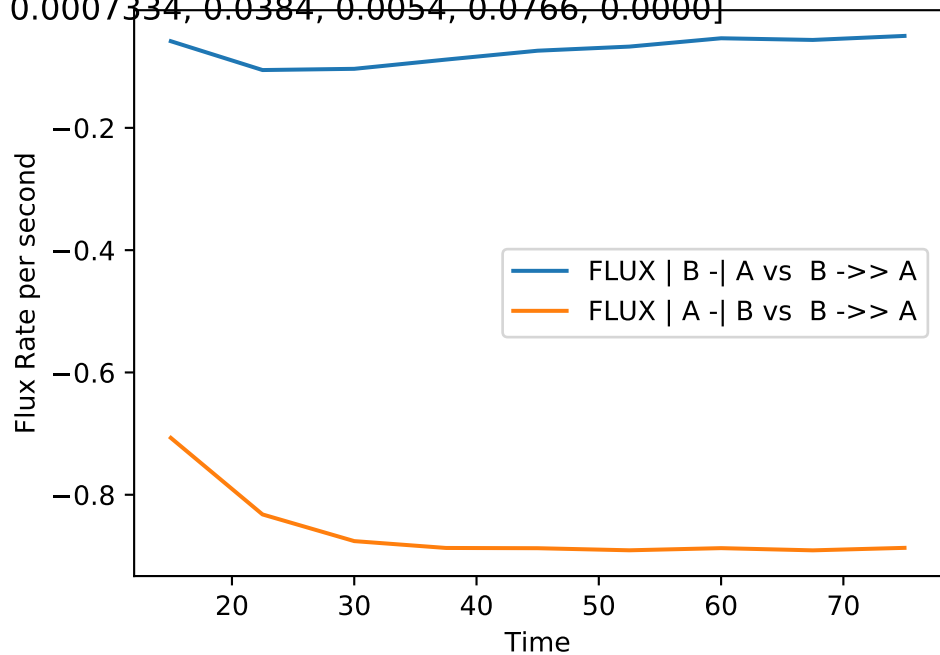
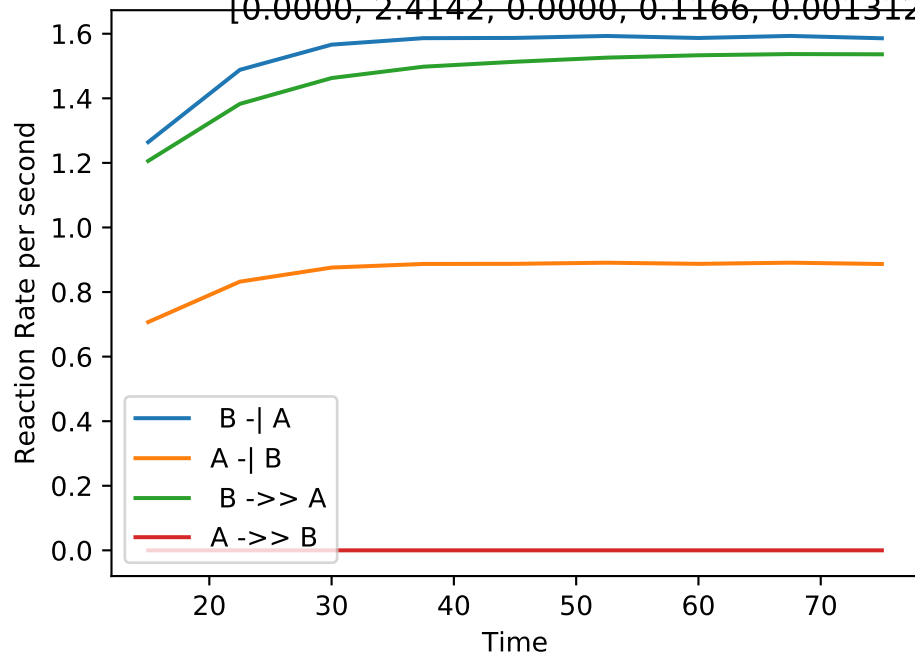
Single_up | MB-LLS Single_up(#297):

[0.0005, 2.4351, 0.0495, 0.1205, 0.001759, 0.0004539, 0.0497, 0.0562, 0.0718, 0.0000]



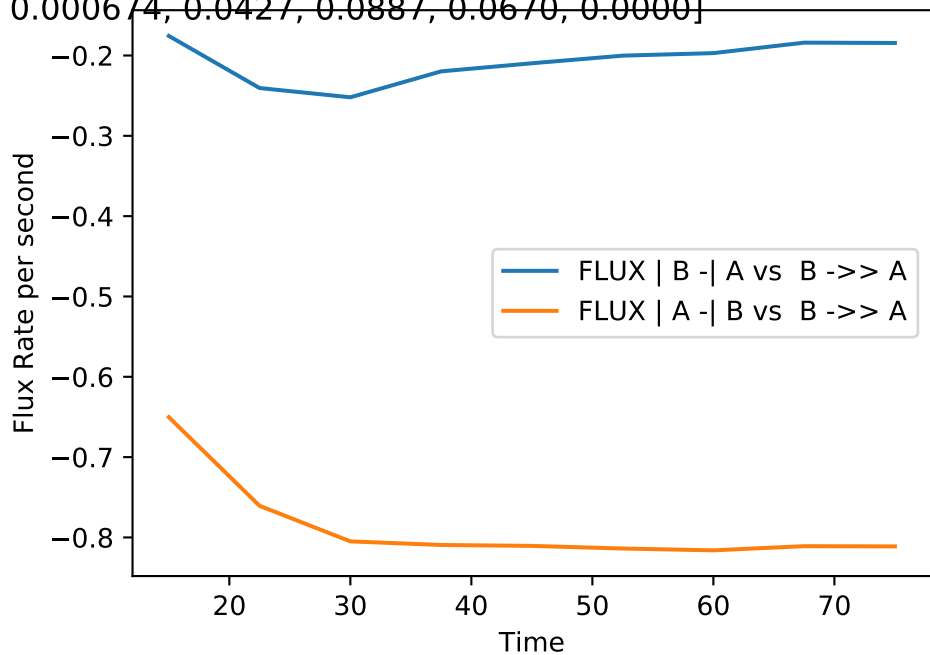
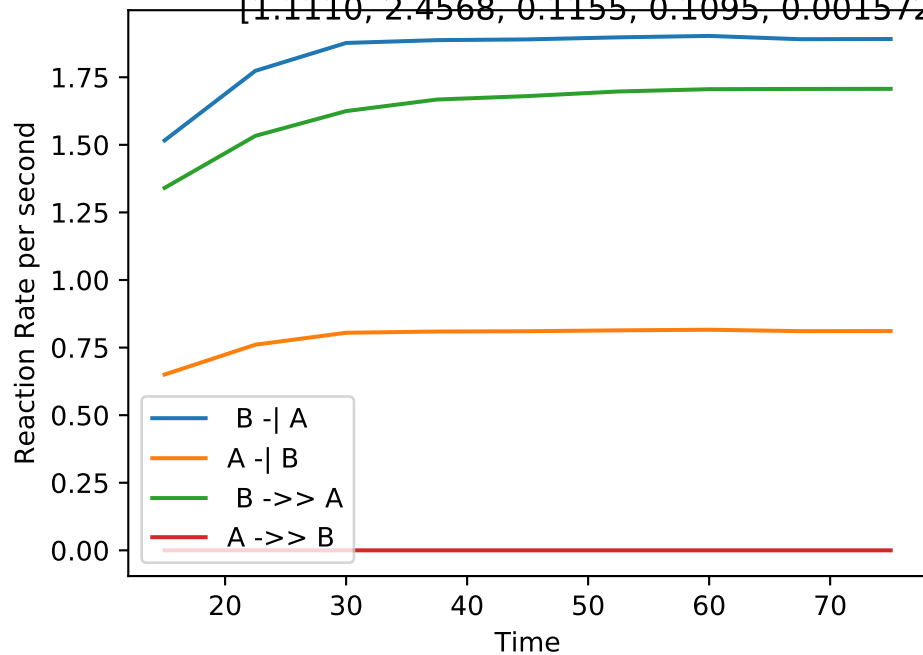
Single_up | MB-LLS Single_up(#298):

[0.0000, 2.4142, 0.0000, 0.1166, 0.001312, 0.0007334, 0.0384, 0.0054, 0.0766, 0.0000]



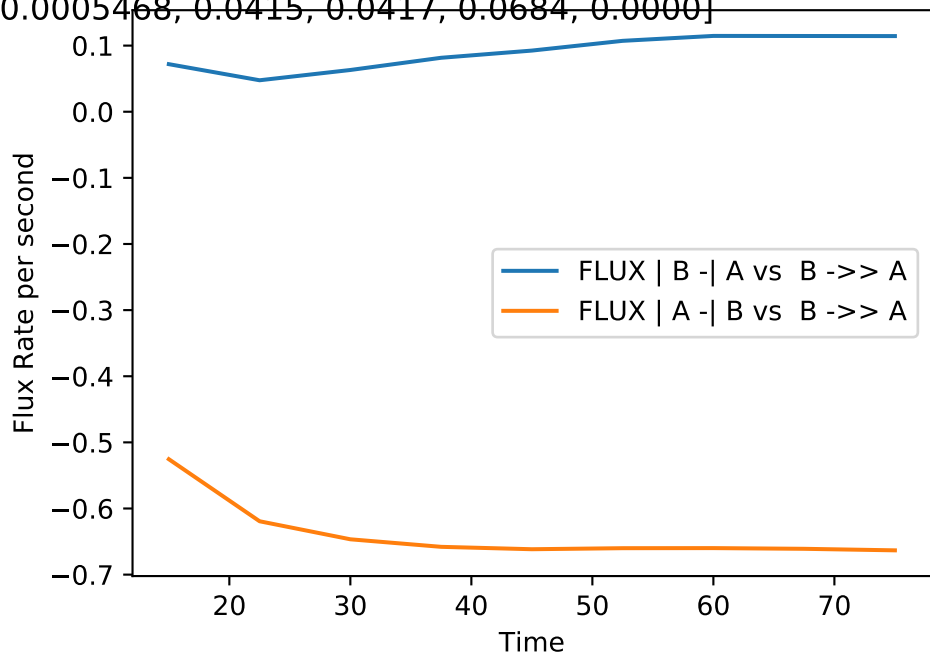
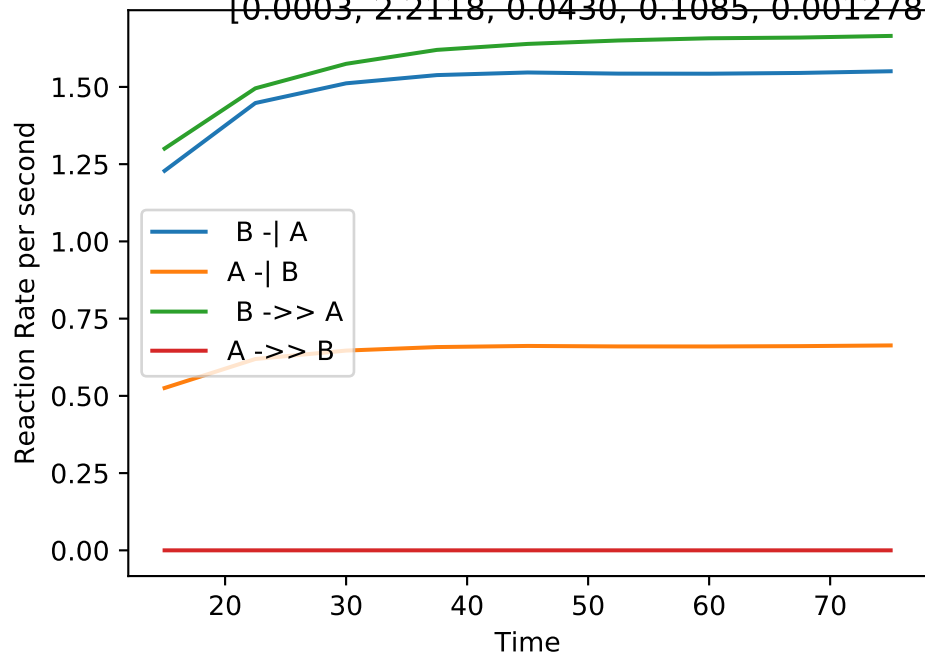
Single_up | MB-LLS Single_up(#299):

[1.1110, 2.4568, 0.1155, 0.1095, 0.001572, 0.000674, 0.0427, 0.0887, 0.0670, 0.0000]



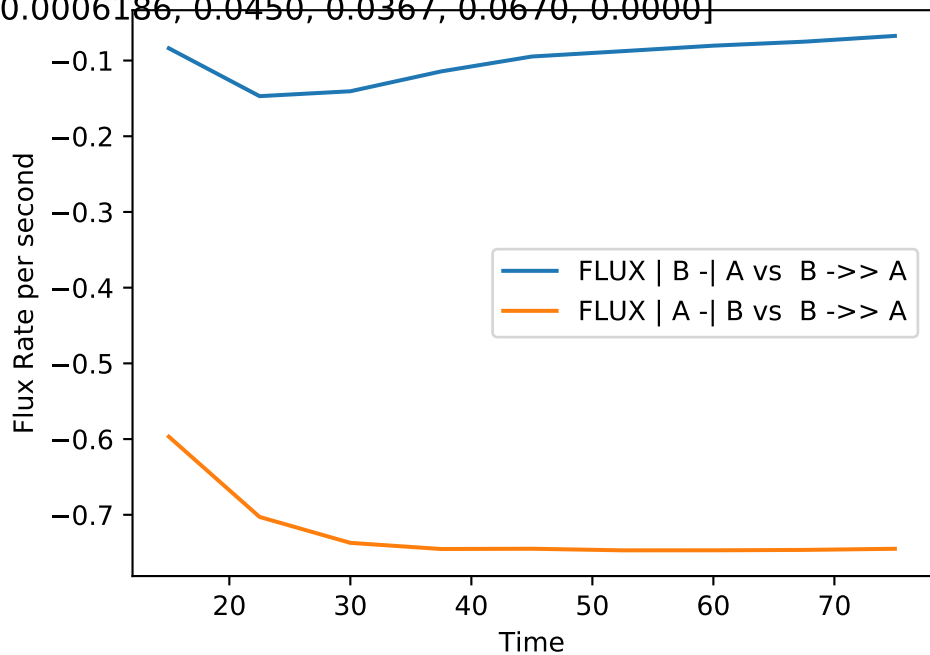
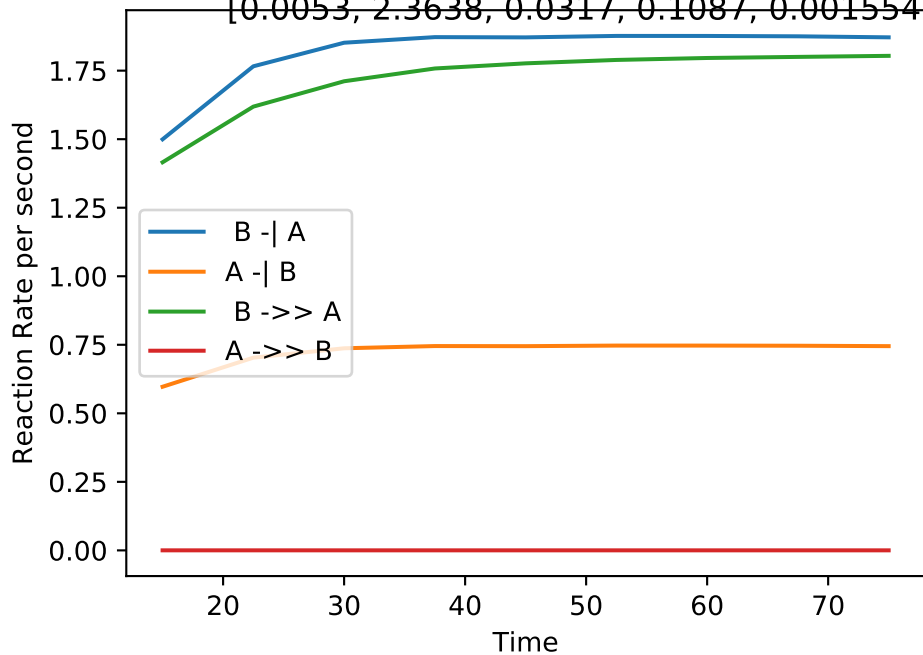
Single_up | MB-LLS Single_up(#300):

[0.0003, 2.2118, 0.0430, 0.1085, 0.001278, 0.0005468, 0.0415, 0.0417, 0.0684, 0.0000]



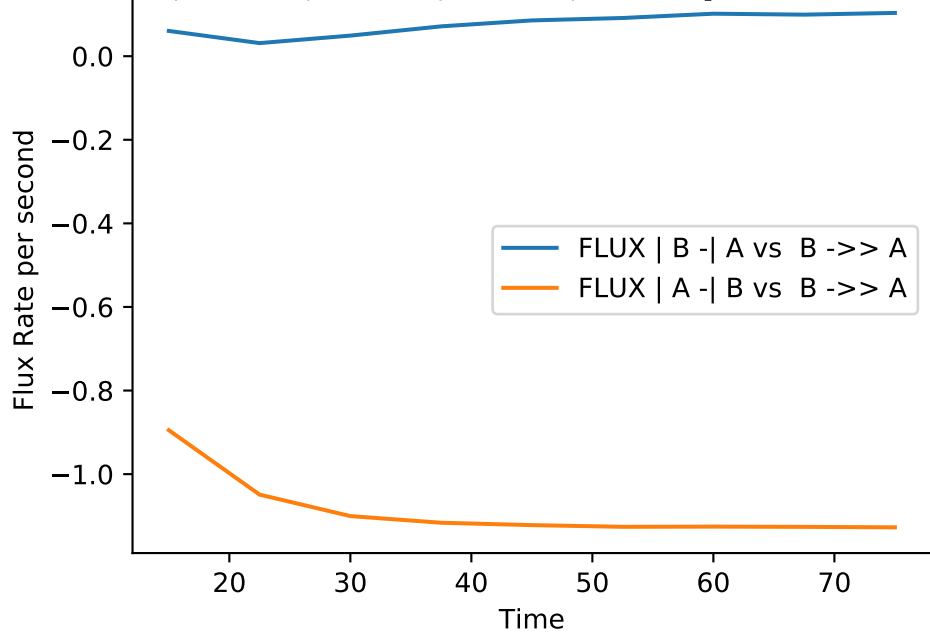
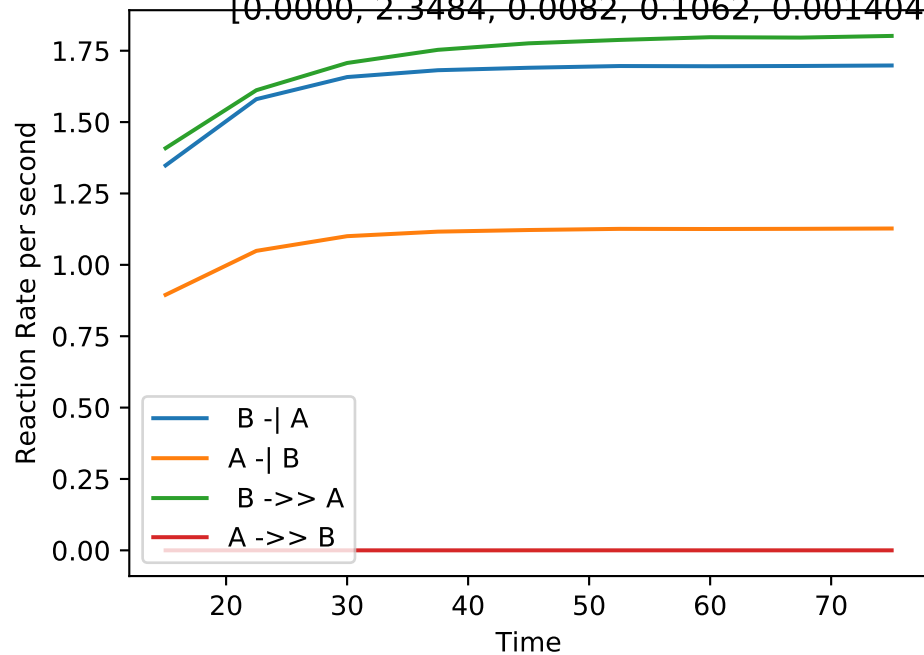
Single_up | MB-LLS Single_up(#301):

[0.0053, 2.3638, 0.0317, 0.1087, 0.001554, 0.0006186, 0.0450, 0.0367, 0.0670, 0.0000]



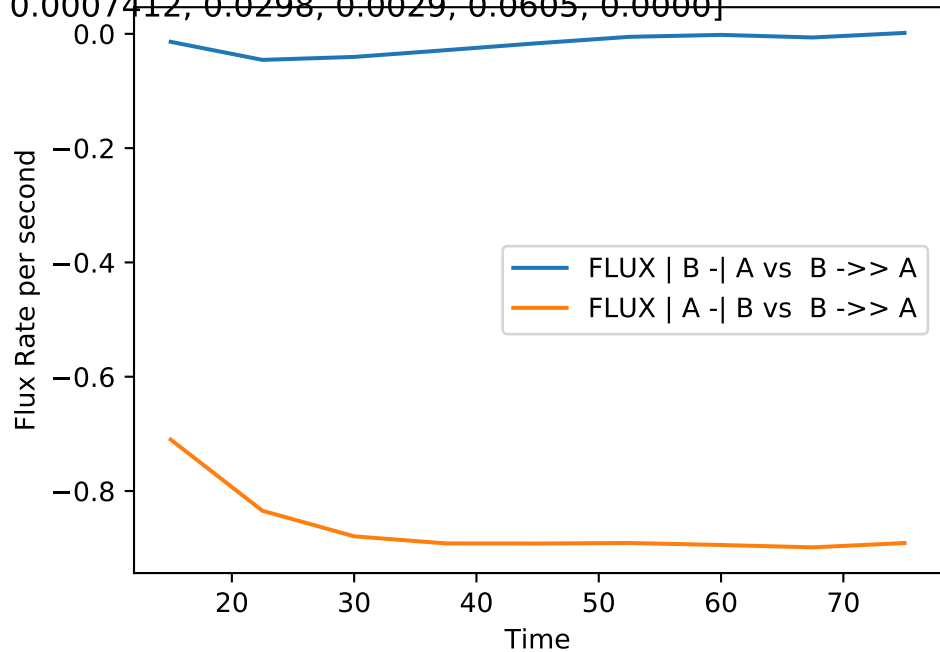
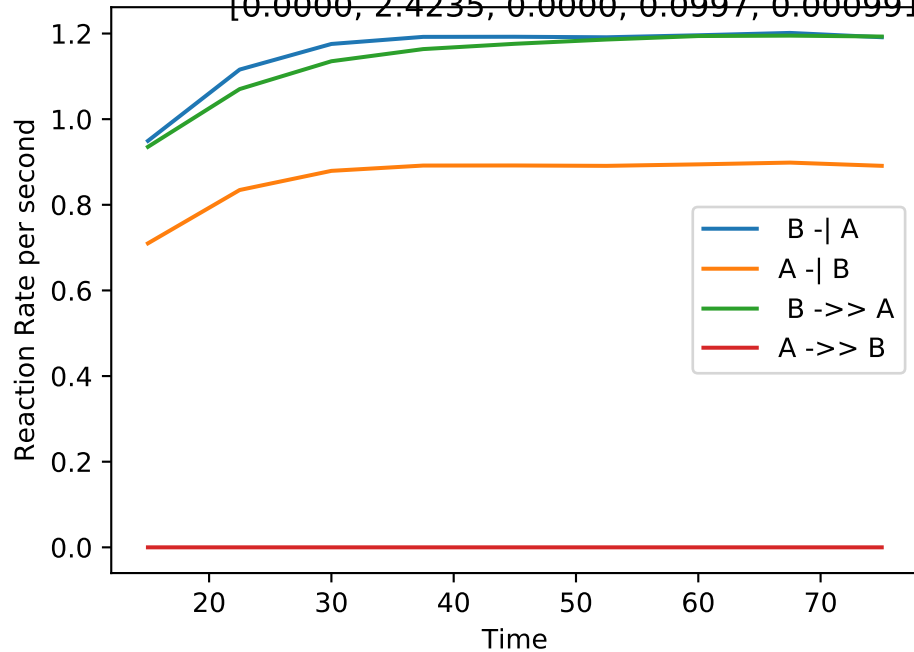
Single_up | MB-LLS Single_up(#302):

[0.0000, 2.3484, 0.0082, 0.1062, 0.001404, 0.0009322, 0.0449, 0.0096, 0.0740, 0.0000]



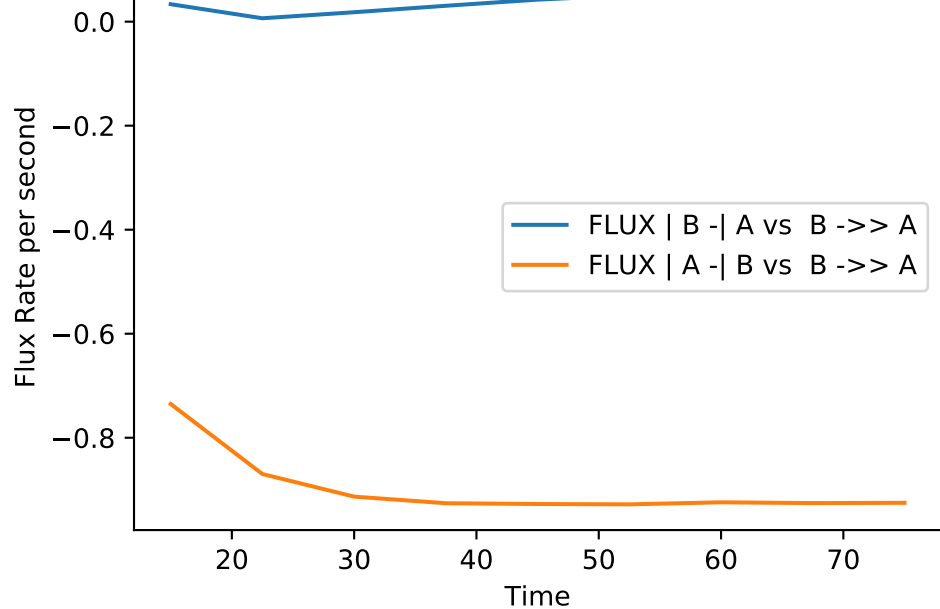
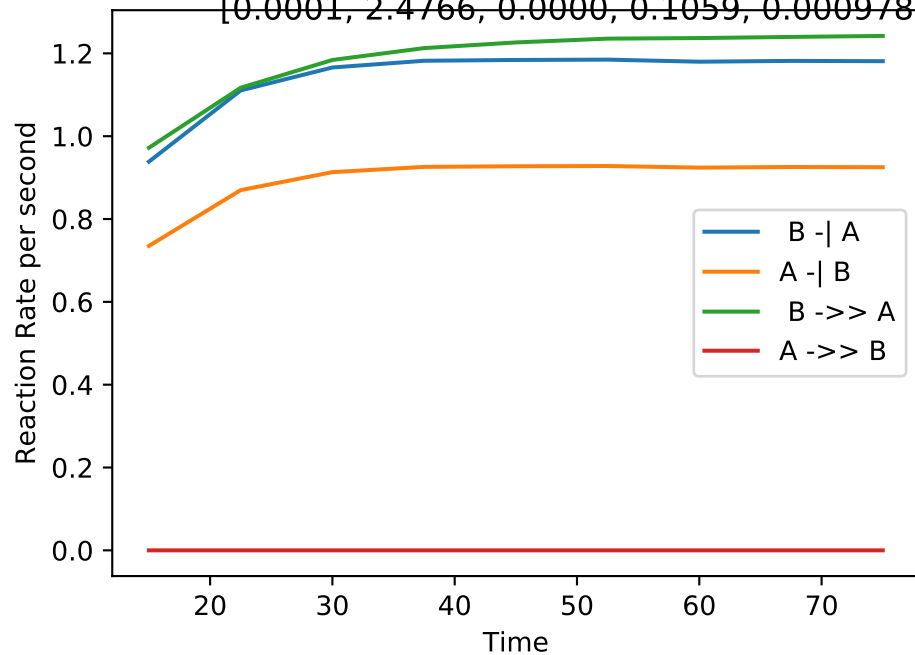
Single_up | MB-LLS Single_up(#303):

[0.0000, 2.4235, 0.0000, 0.0997, 0.000991, 0.0007412, 0.0298, 0.0029, 0.0605, 0.0000]



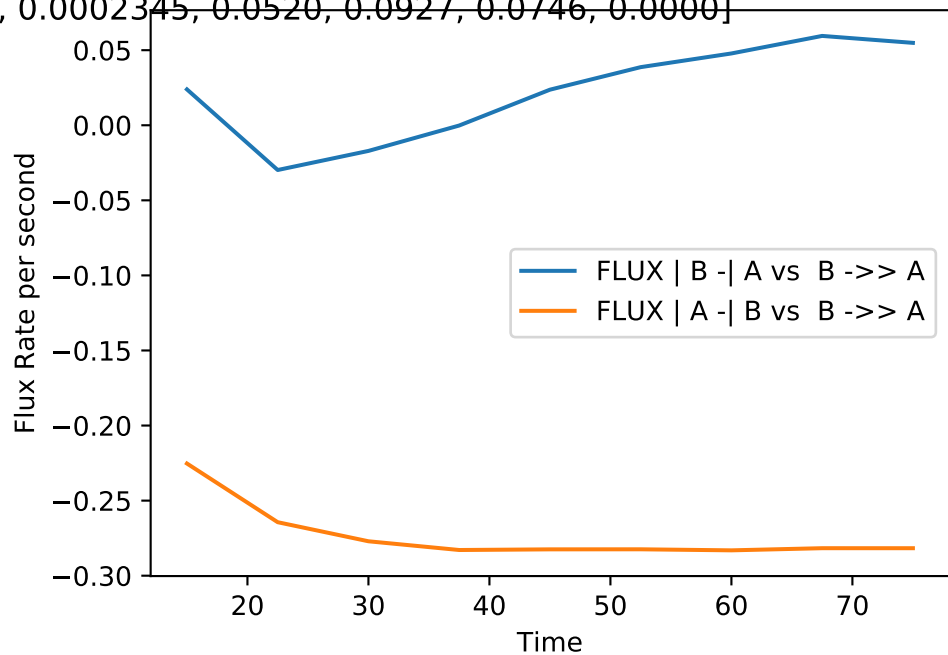
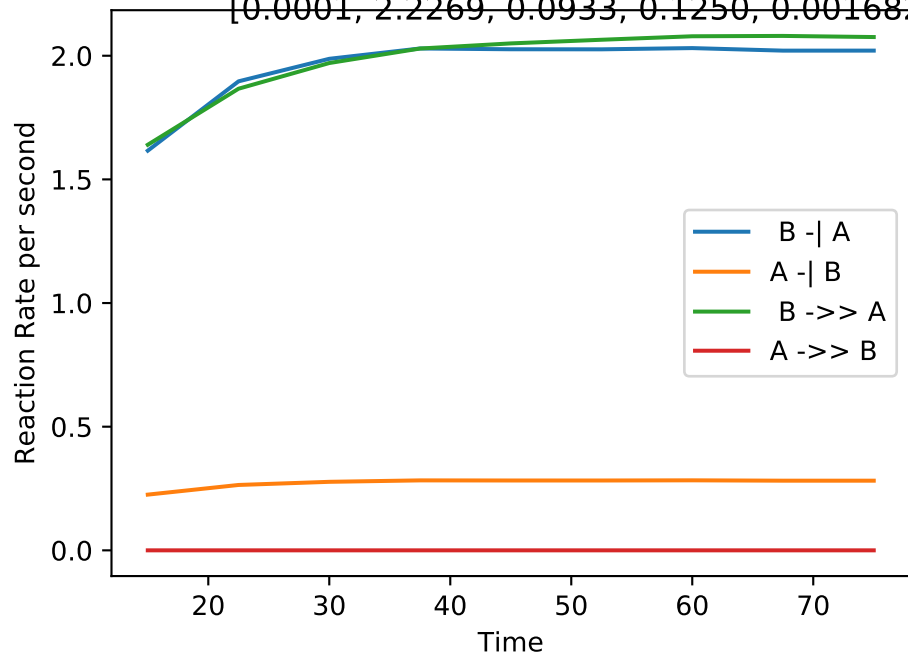
Single_up | MB-LLS Single_up(#304):

[0.0001, 2.4766, 0.0000, 0.1059, 0.0009788, 0.0007667, 0.0310, 0.0013, 0.0659, 0.0000]



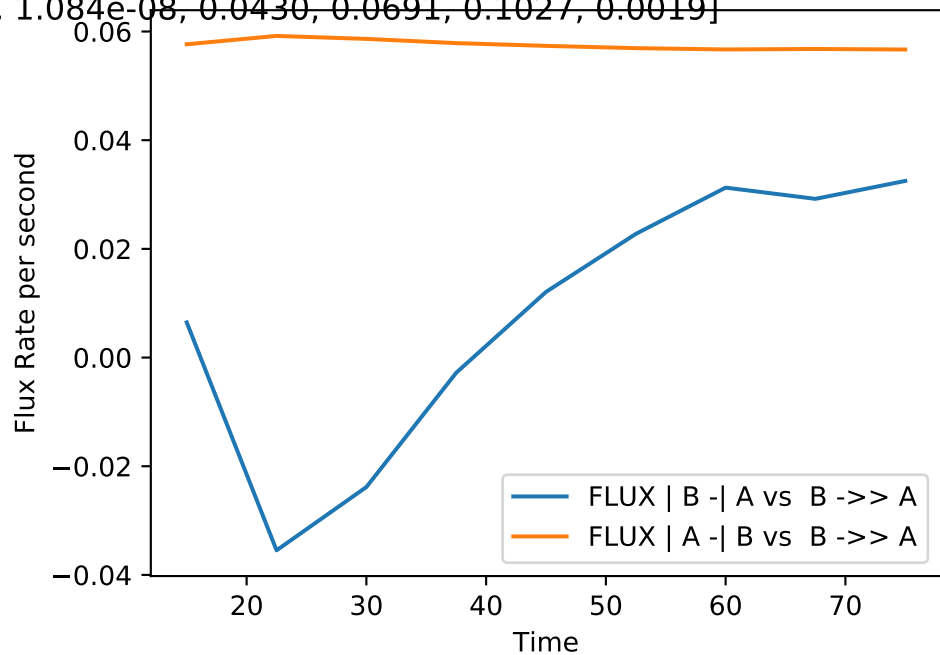
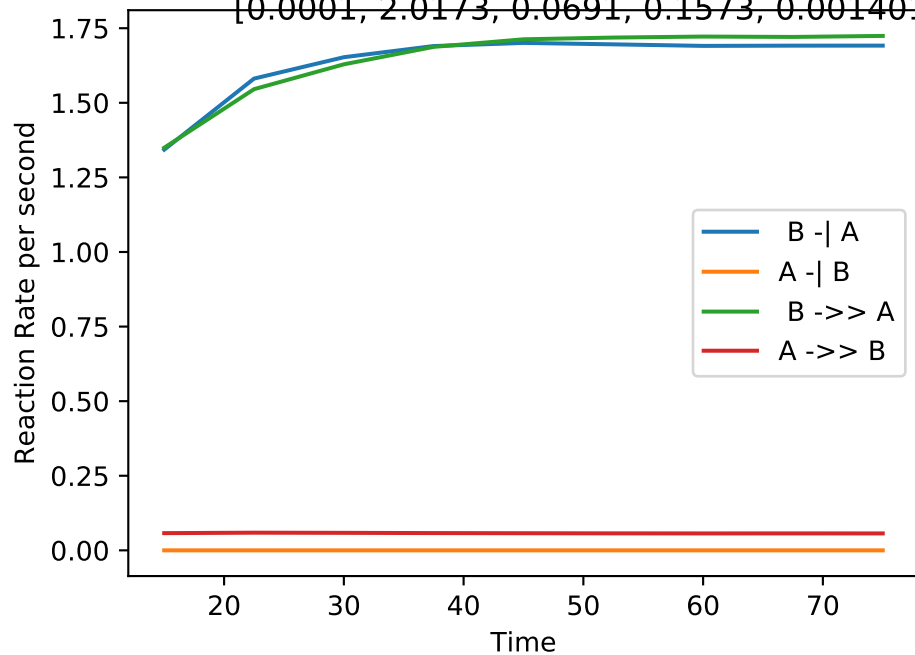
Single_up | MB-LLS Single_up(#305):

[0.0001, 2.2269, 0.0933, 0.1250, 0.001682, 0.0002345, 0.0520, 0.0927, 0.0746, 0.0000]



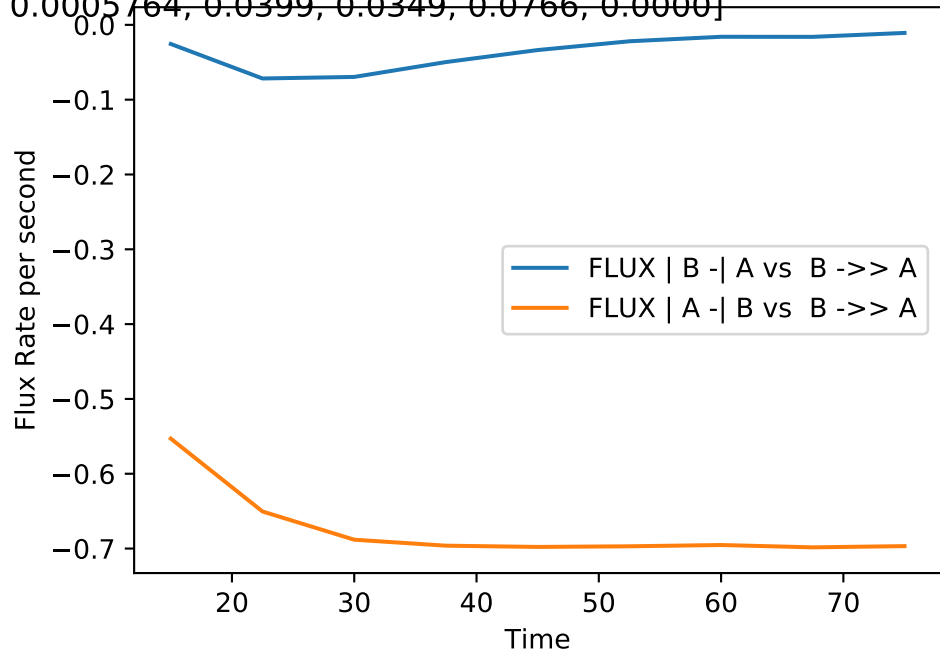
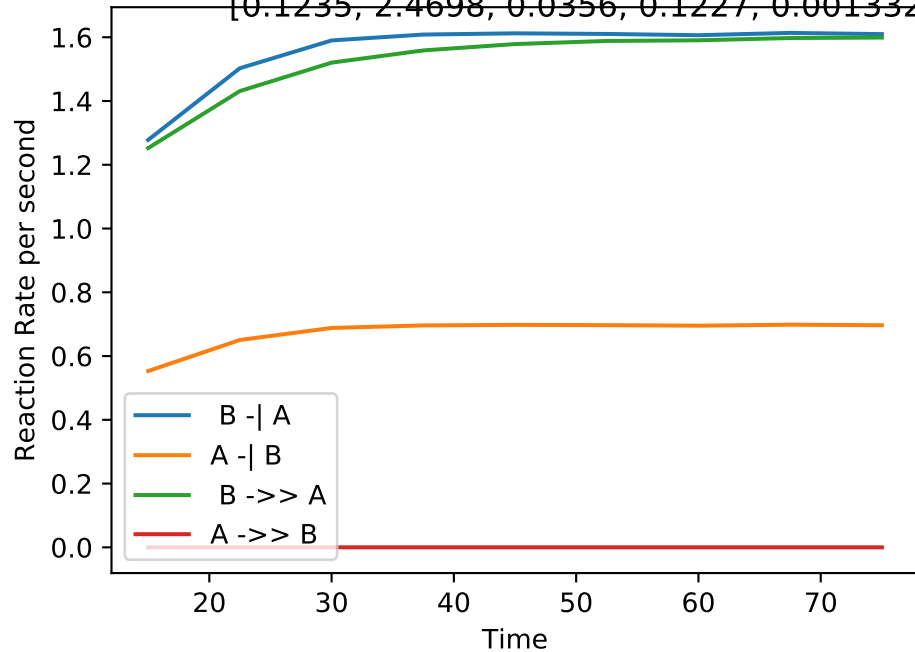
Single_up | MB-LLS Single_up(#306):

[0.0001, 2.0173, 0.0691, 0.1573, 0.001401, 1.084e-08, 0.0430, 0.0691, 0.1027, 0.0019]



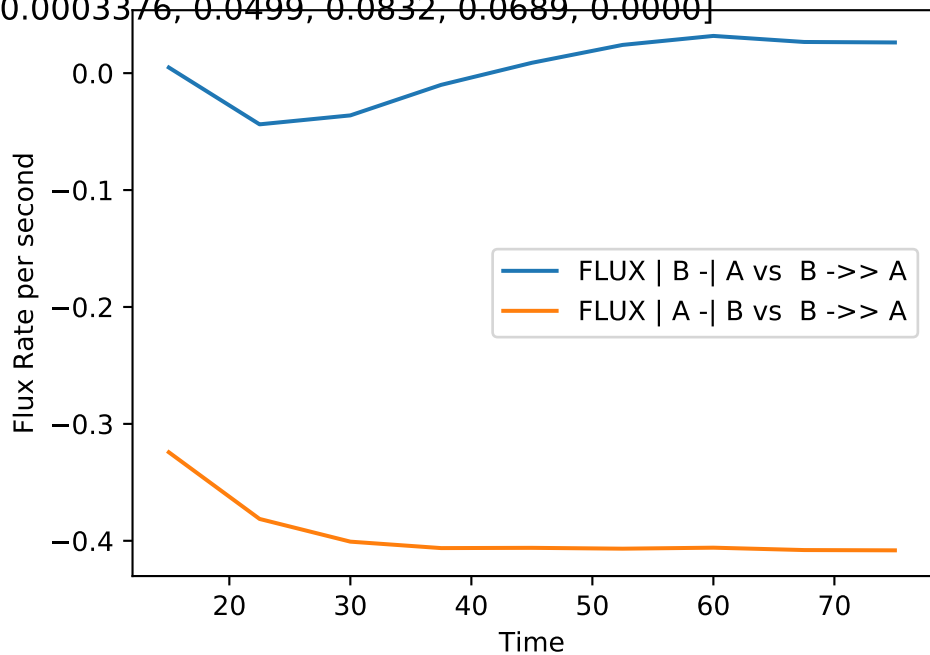
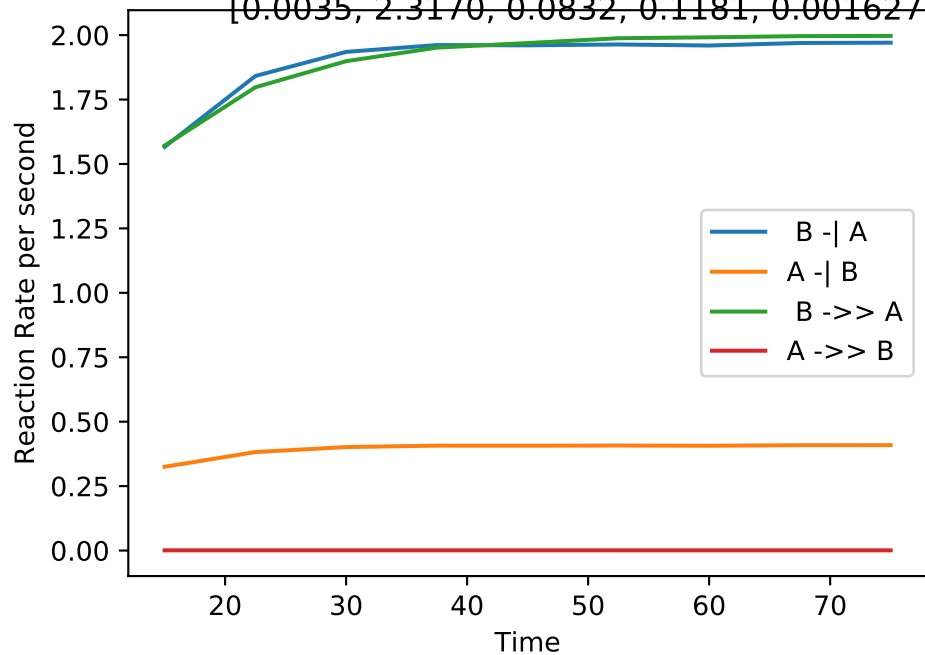
Single_up | MB-LLS Single_up(#307):

[0.1235, 2.4698, 0.0356, 0.1227, 0.001332, 0.0005764, 0.0399, 0.0349, 0.0766, 0.0000]



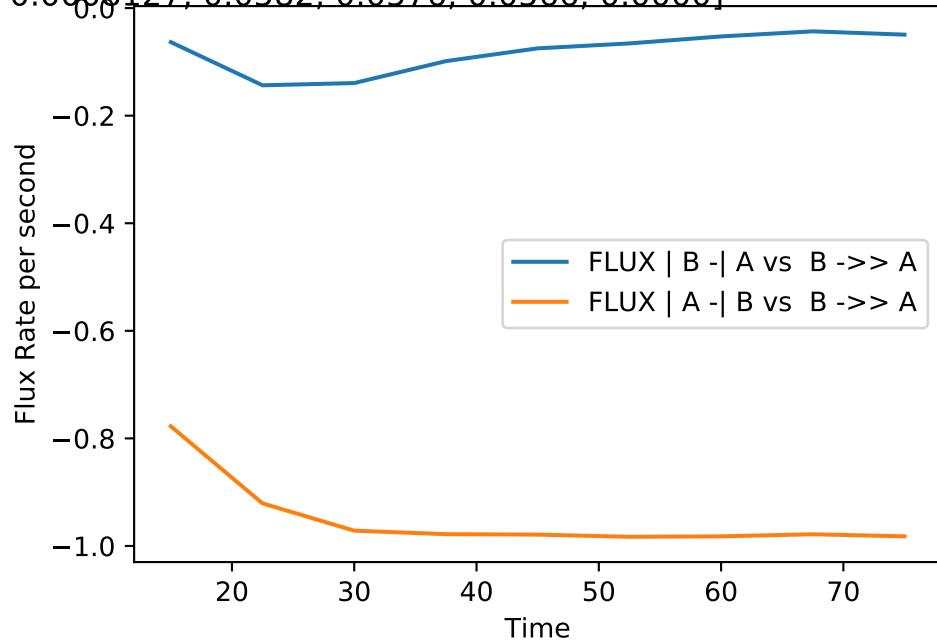
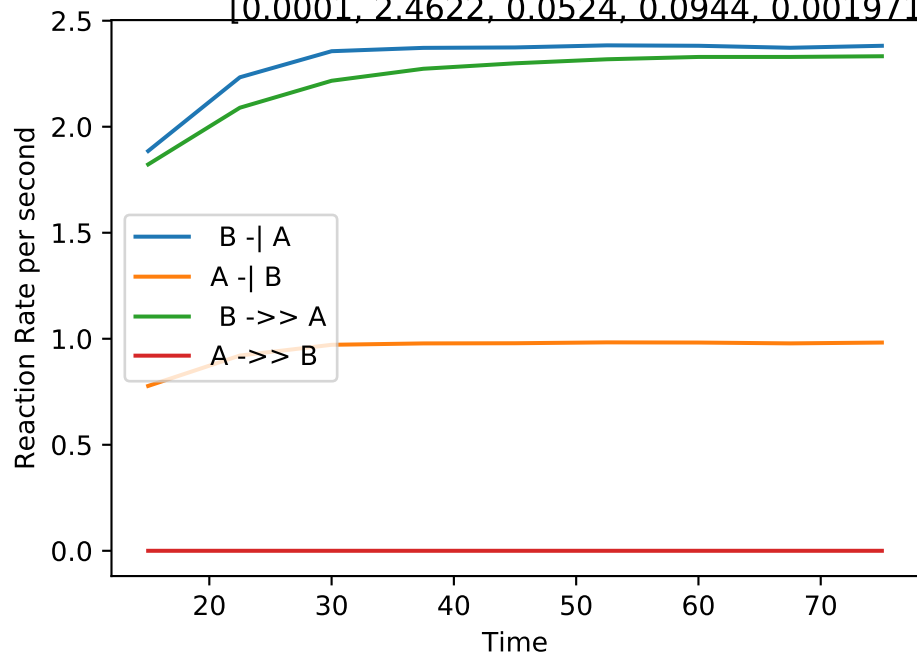
Single_up | MB-LLS Single_up(#308):

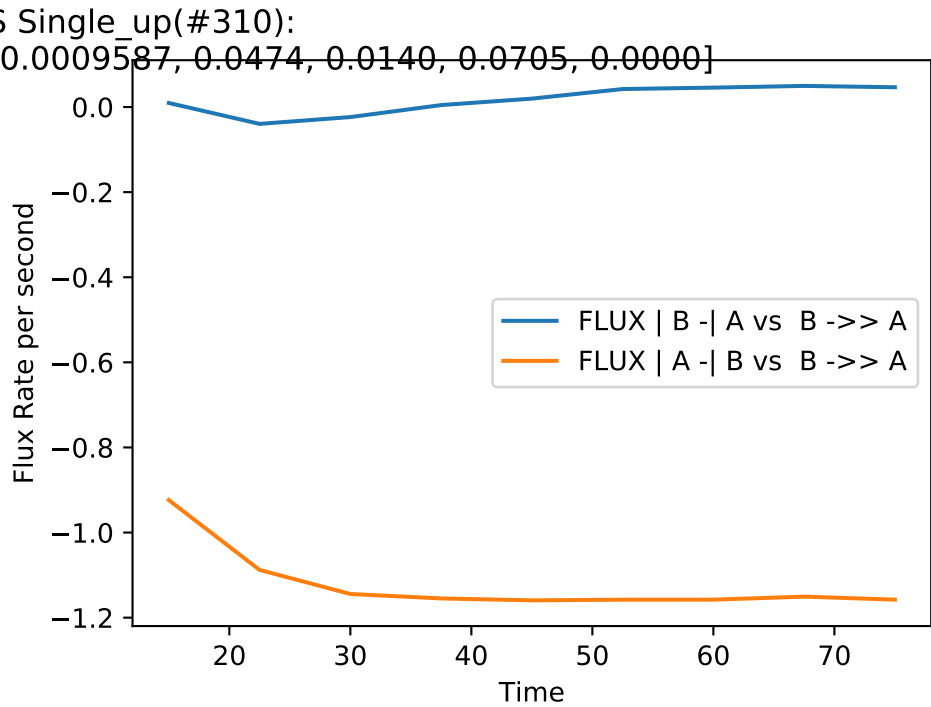
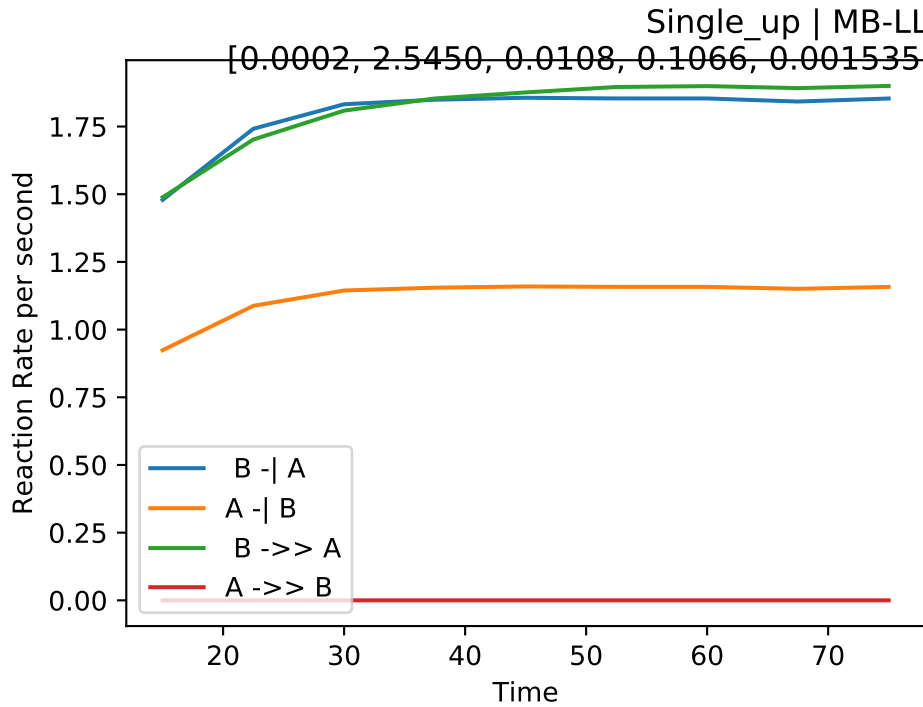
[0.0035, 2.3170, 0.0832, 0.1181, 0.001627, 0.0003376, 0.0499, 0.0832, 0.0689, 0.0000]



Single_up | MB-LLS Single_up(#309):

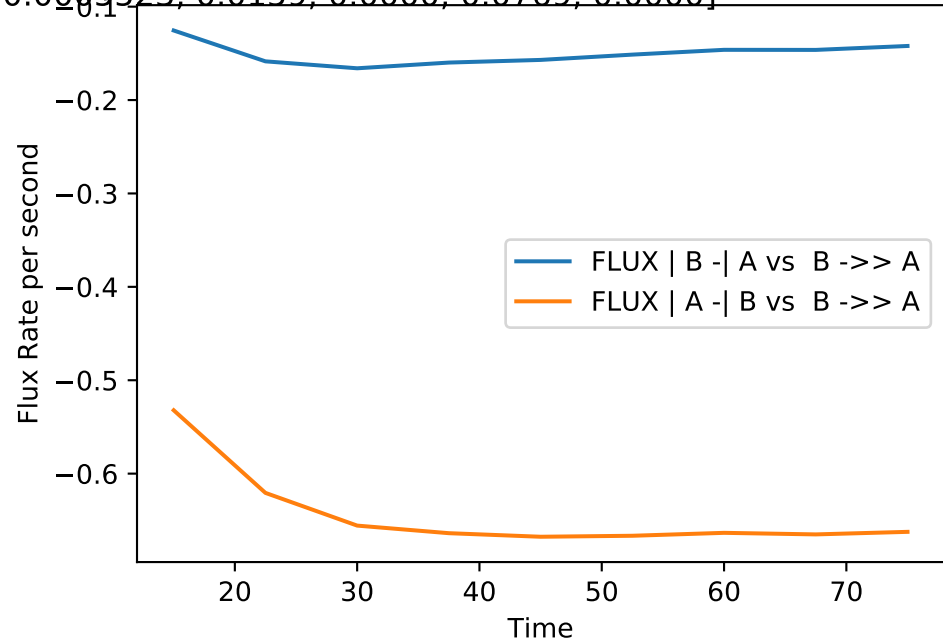
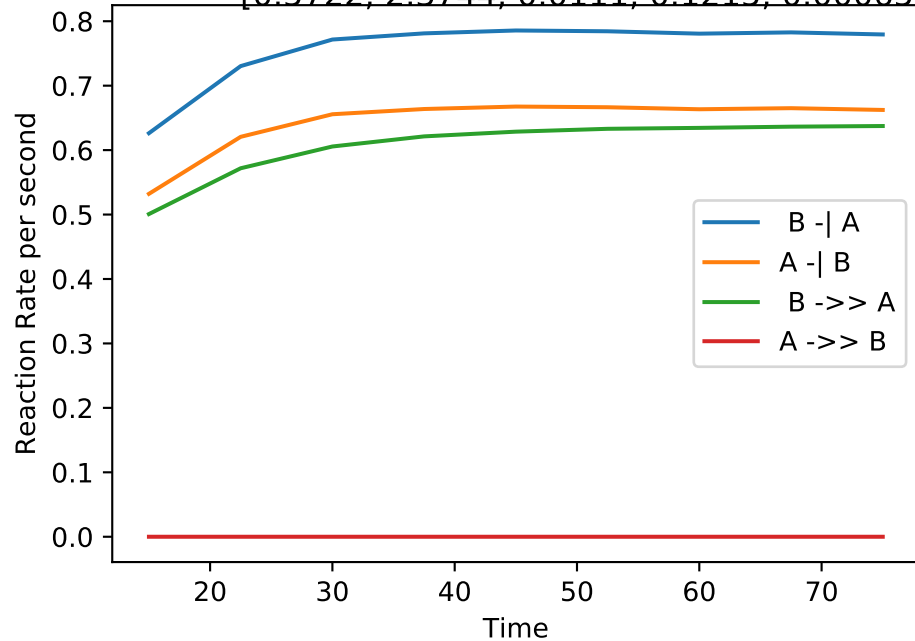
[0.0001, 2.4622, 0.0524, 0.0944, 0.001971, 0.0008127, 0.0582, 0.0576, 0.0566, 0.0000]





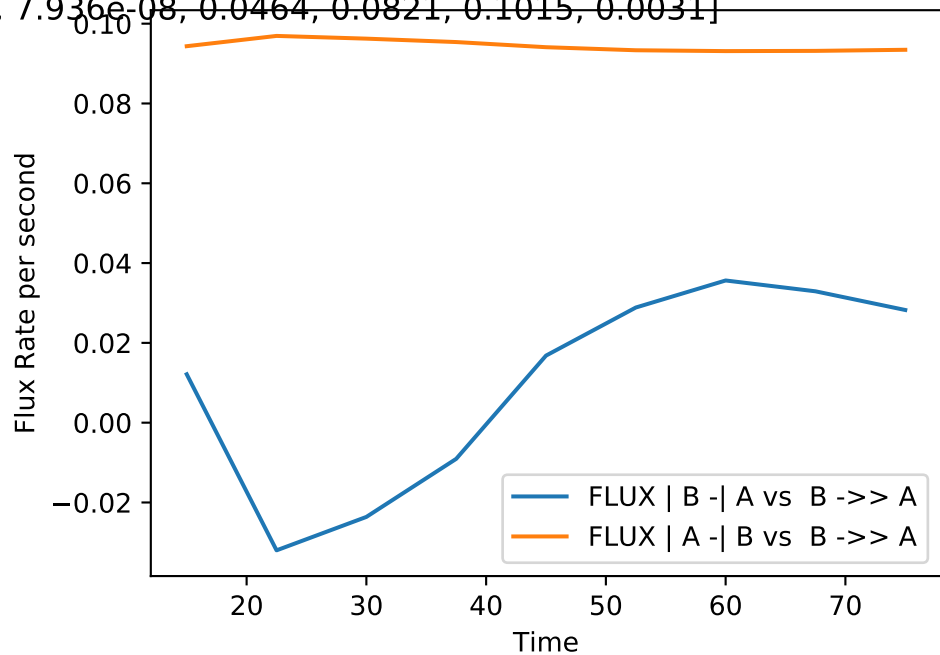
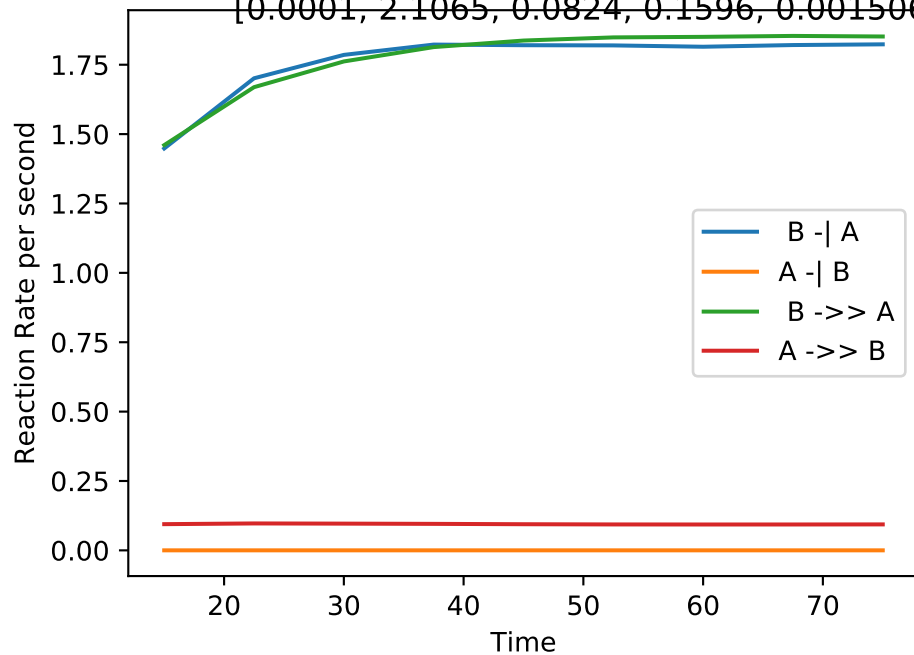
Single_up | MB-LLS Single_up(#311):

[0.5722, 2.3744, 0.0111, 0.1215, 0.00065, 0.0005523, 0.0159, 0.0000, 0.0769, 0.0000]



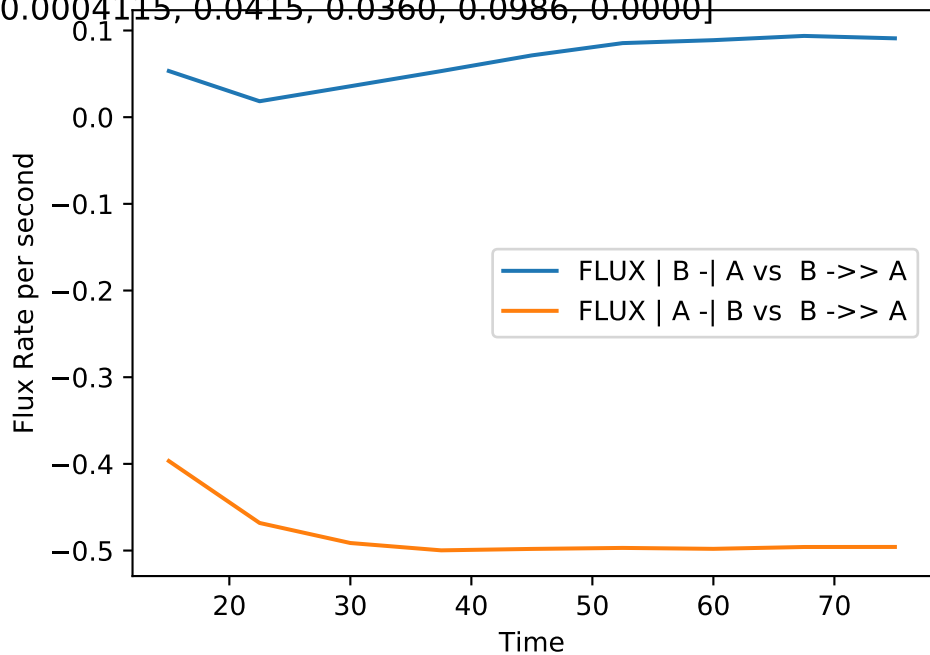
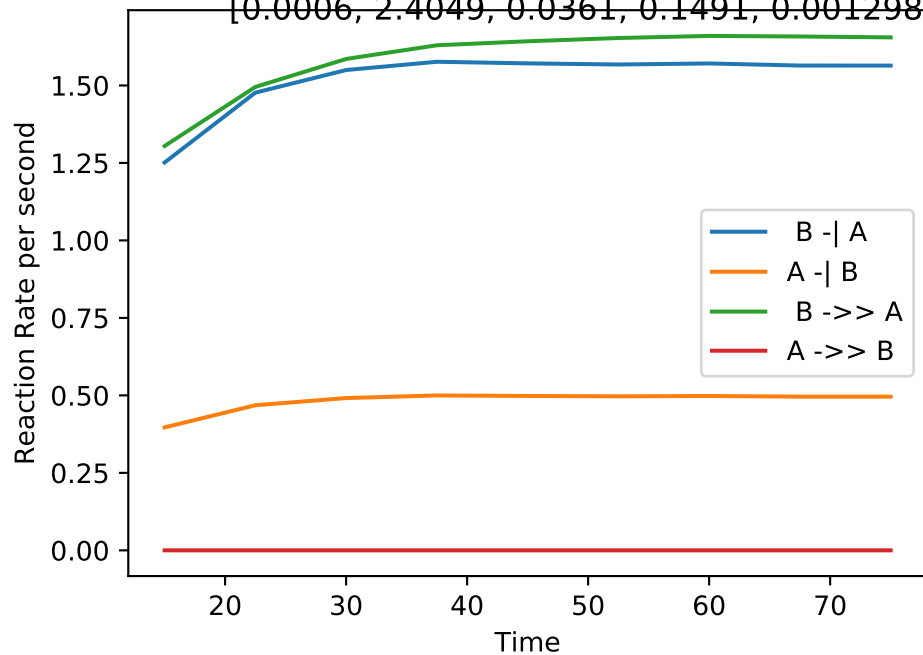
Single_up | MB-LLS Single_up(#312):

[0.0001, 2.1065, 0.0824, 0.1596, 0.001506, 7.936e-08, 0.0464, 0.0821, 0.1015, 0.0031]



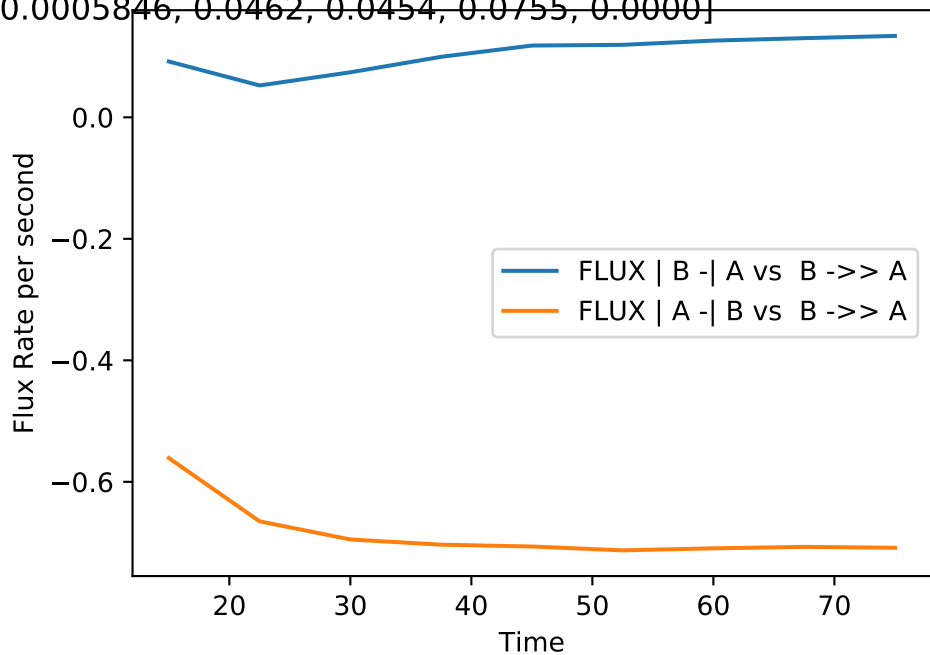
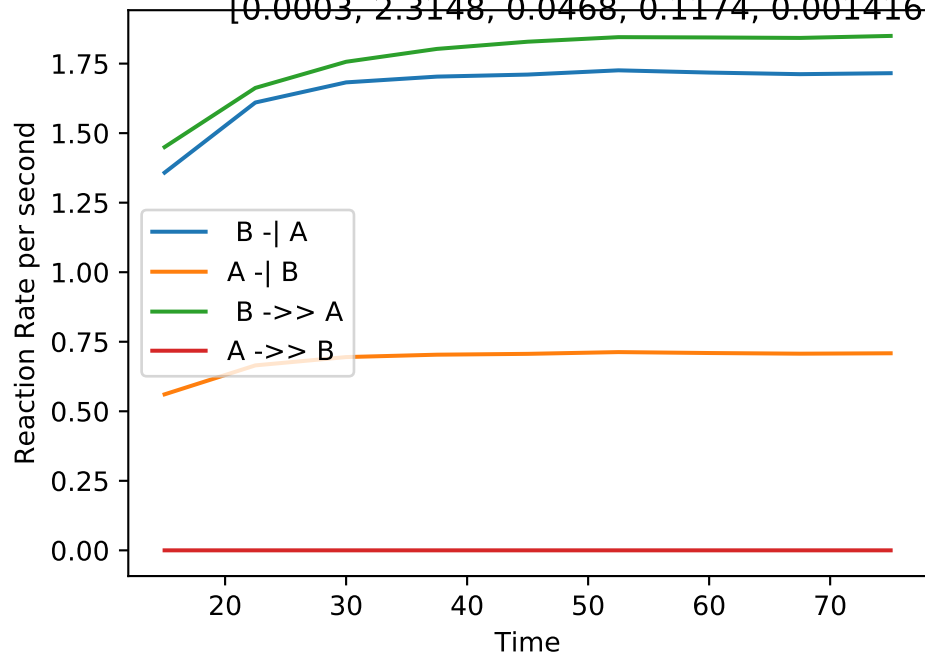
Single_up | MB-LLS Single_up(#313):

[0.0006, 2.4049, 0.0361, 0.1491, 0.001298, 0.0004115, 0.0415, 0.0360, 0.0986, 0.0000]



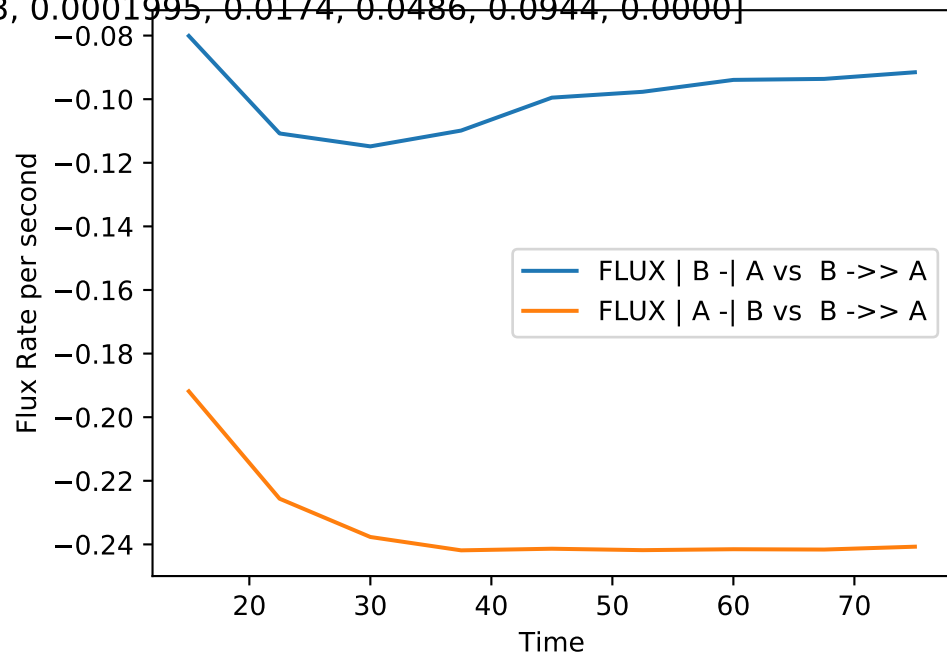
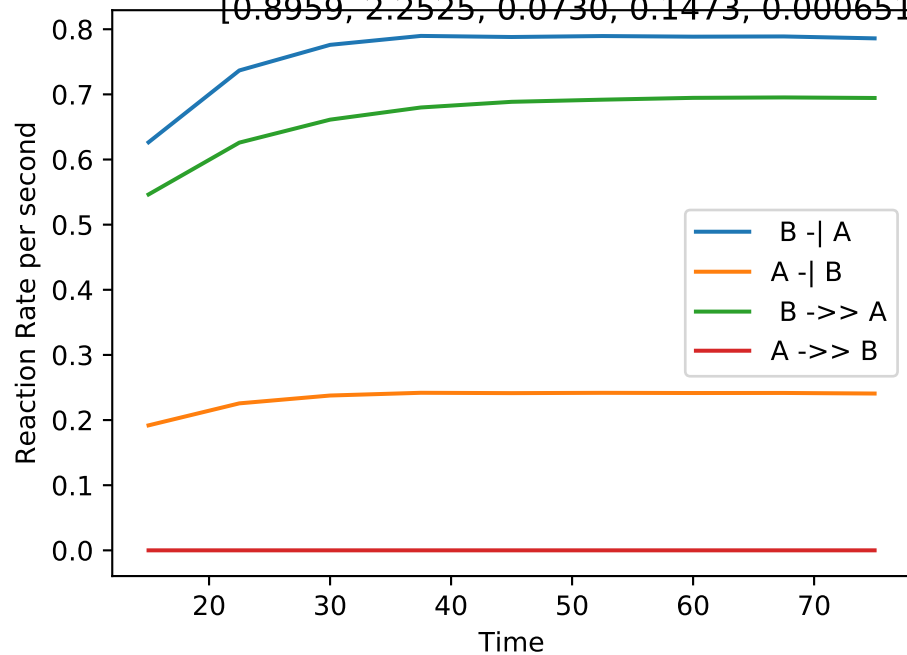
Single_up | MB-LLS Single_up(#314):

[0.0003, 2.3148, 0.0468, 0.1174, 0.001416, 0.0005846, 0.0462, 0.0454, 0.0755, 0.0000]



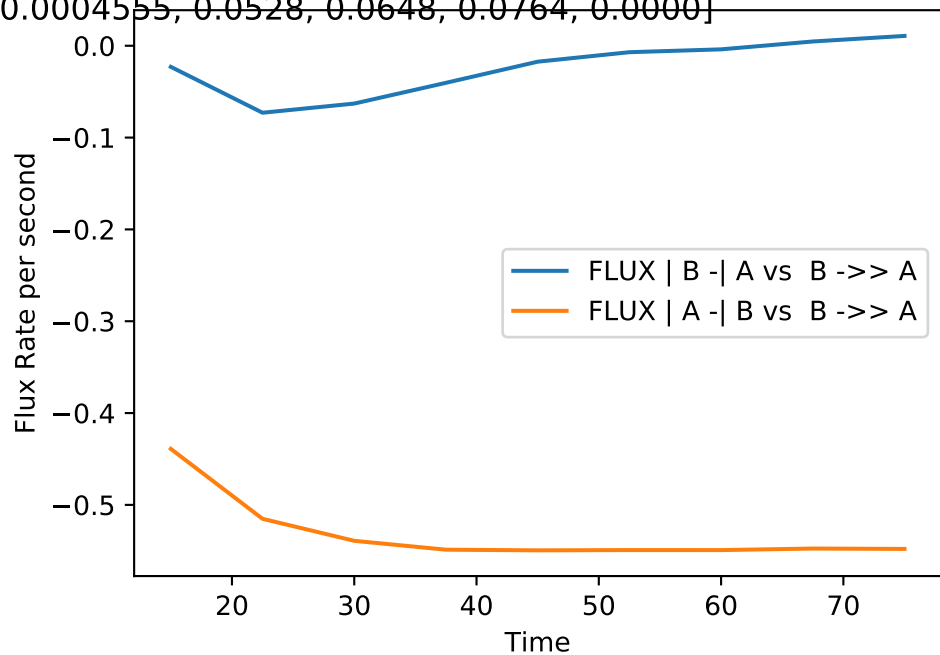
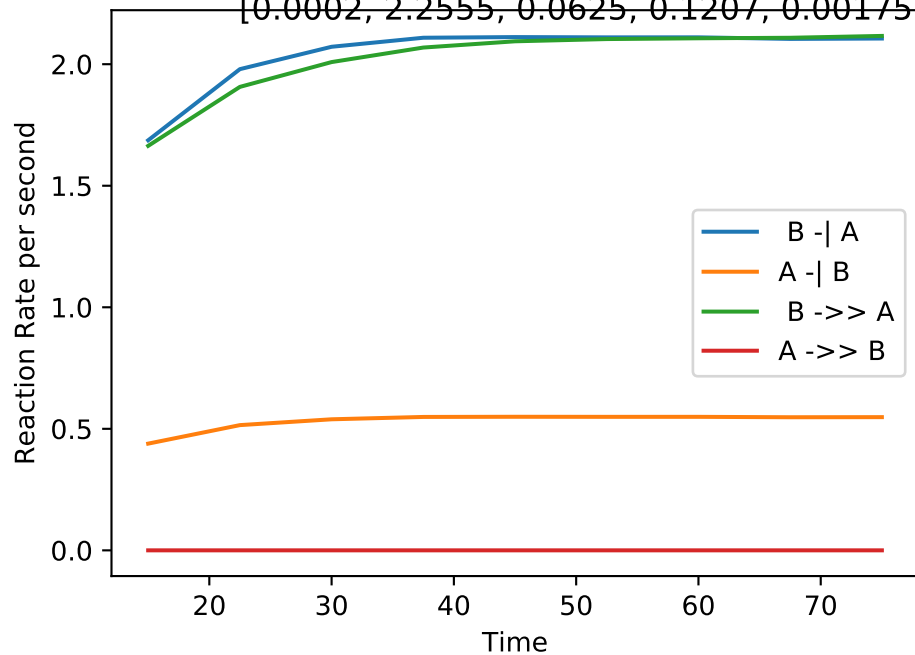
Single_up | MB-LLS Single_up(#315):

[0.8959, 2.2525, 0.0730, 0.1473, 0.0006513, 0.0001995, 0.0174, 0.0486, 0.0944, 0.0000]



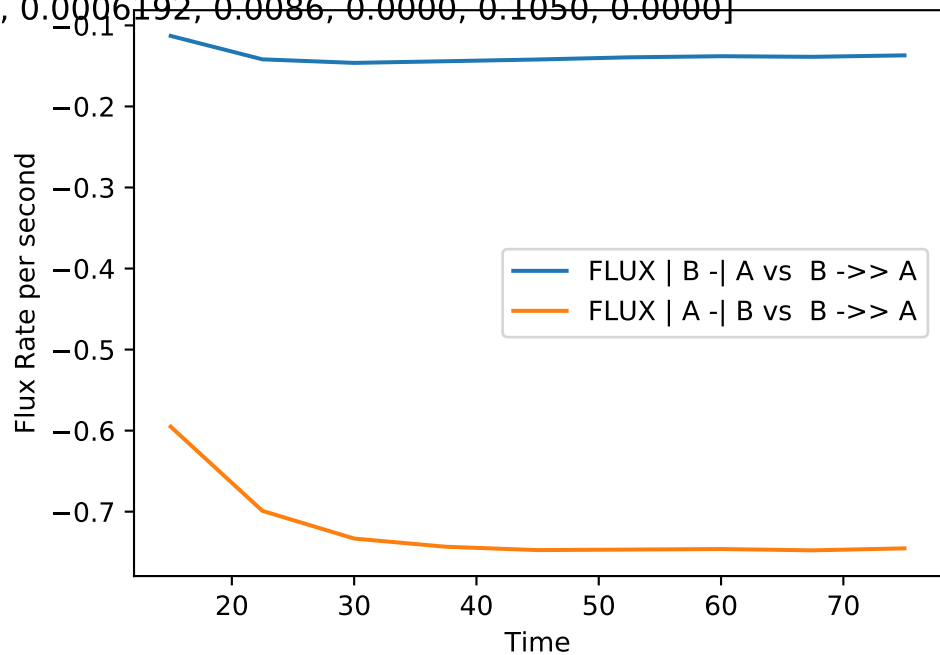
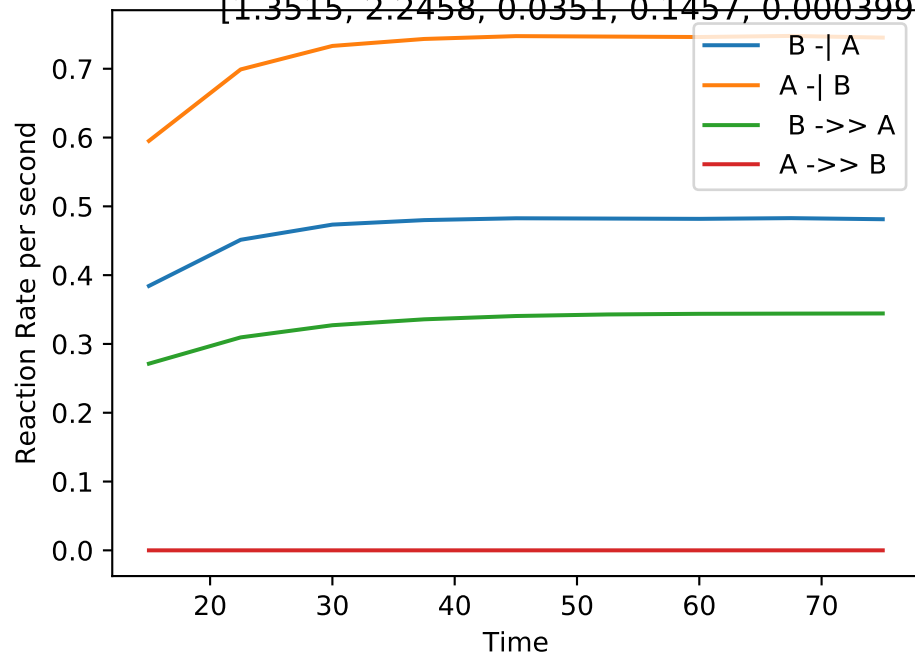
Single_up | MB-LLS Single_up(#316):

[0.0002, 2.2555, 0.0625, 0.1207, 0.00175, 0.0004555, 0.0528, 0.0648, 0.0764, 0.0000]



Single_up | MB-LLS Single_up(#317):

[1.3515, 2.2458, 0.0351, 0.1457, 0.0003999, 0.0006192, 0.0086, 0.0000, 0.1050, 0.0000]



Single_up | MB-LLS Single_up(#318):

[0.0001, 2.5125, 0.0512, 0.1170, 0.001713, 0.0006904, 0.0532, 0.0525, 0.0732, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0



Time

Flux Rate per second

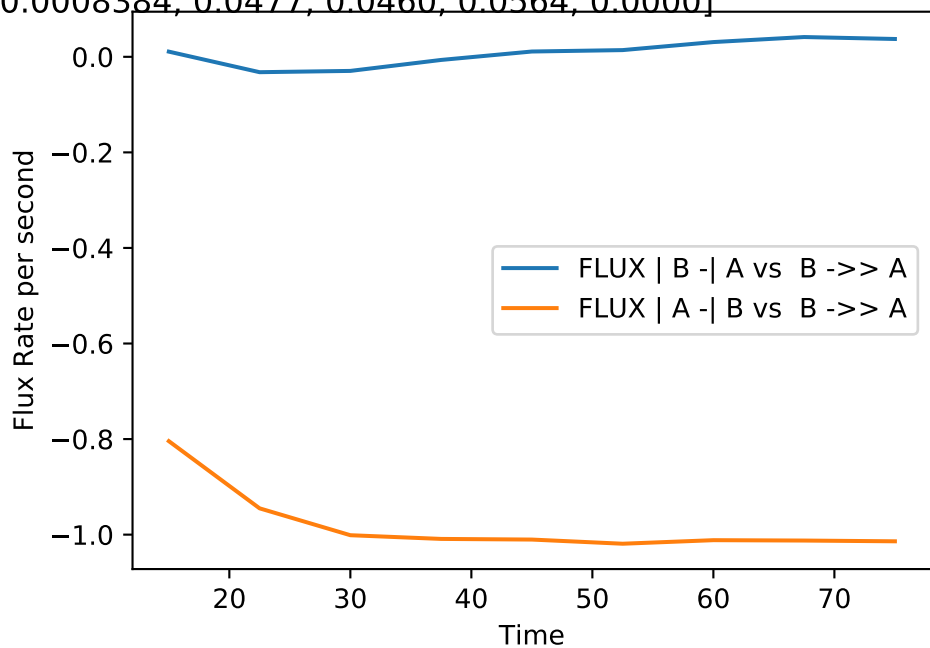
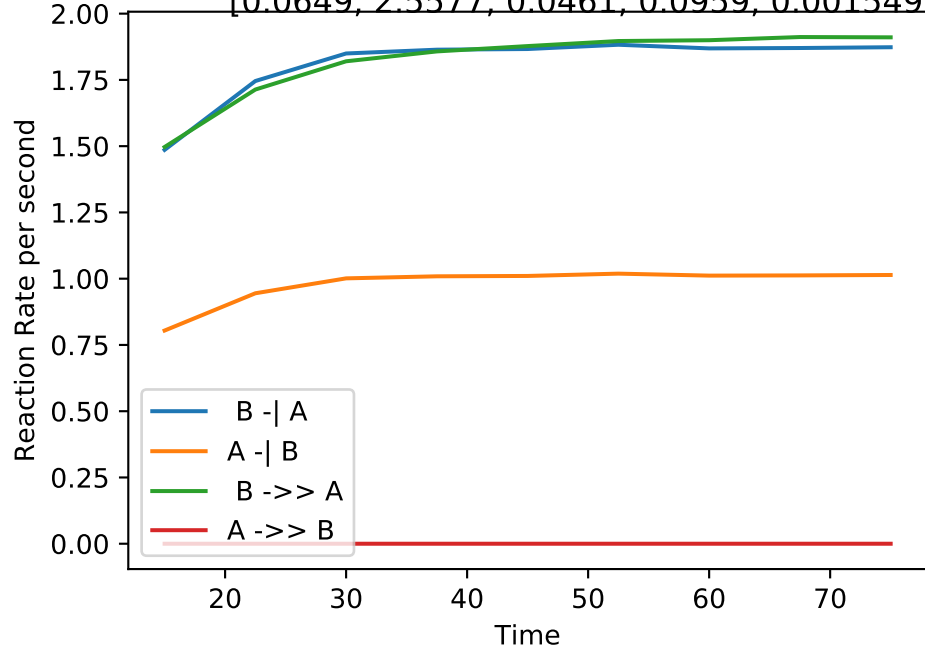
0.0
-0.2
-0.4
-0.6
-0.8



Time

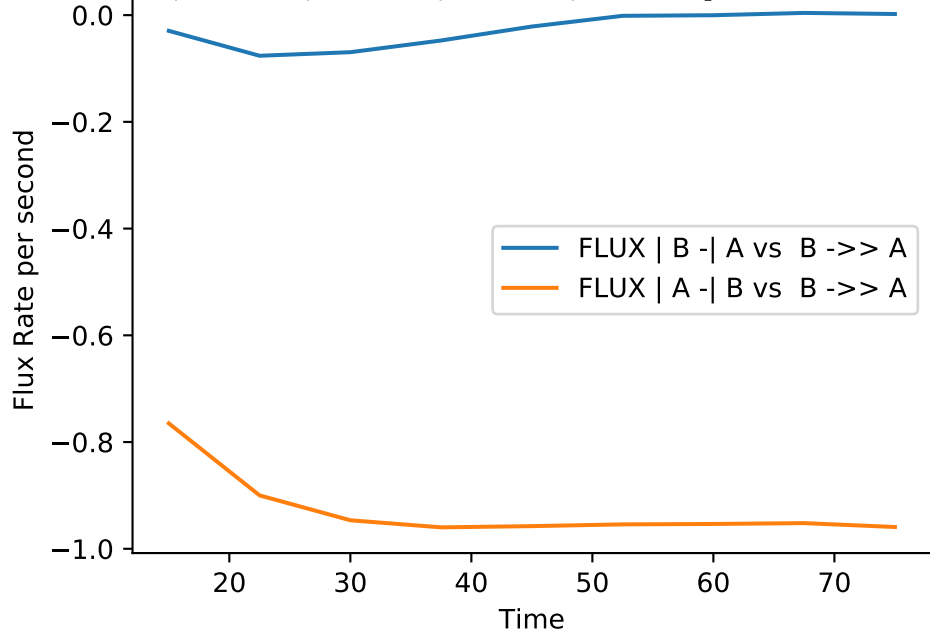
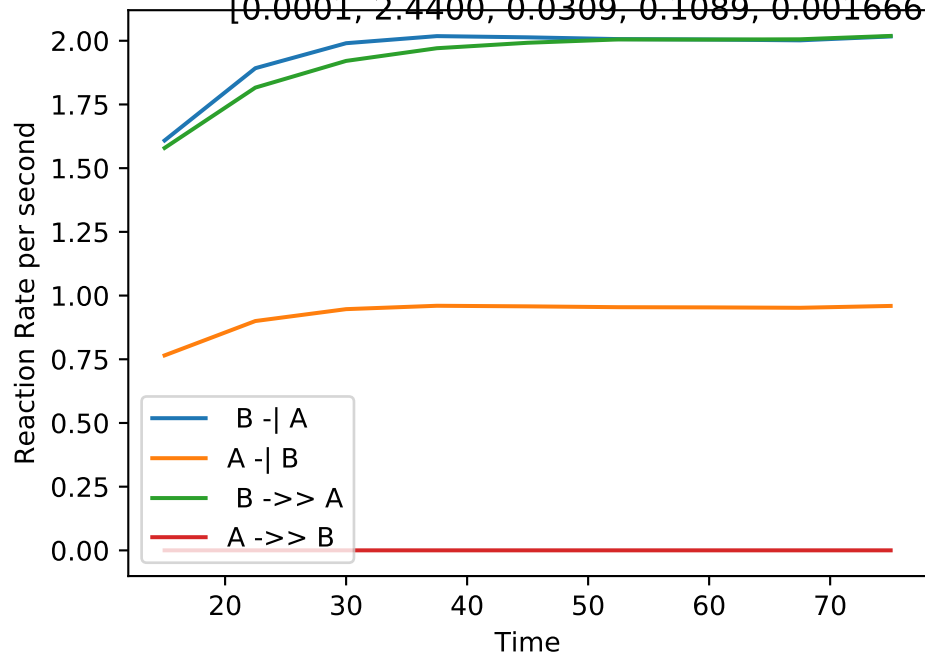
Single_up | MB-LLS Single_up(#319):

[0.0649, 2.5577, 0.0461, 0.0959, 0.001549, 0.0008384, 0.0477, 0.0460, 0.0564, 0.0000]



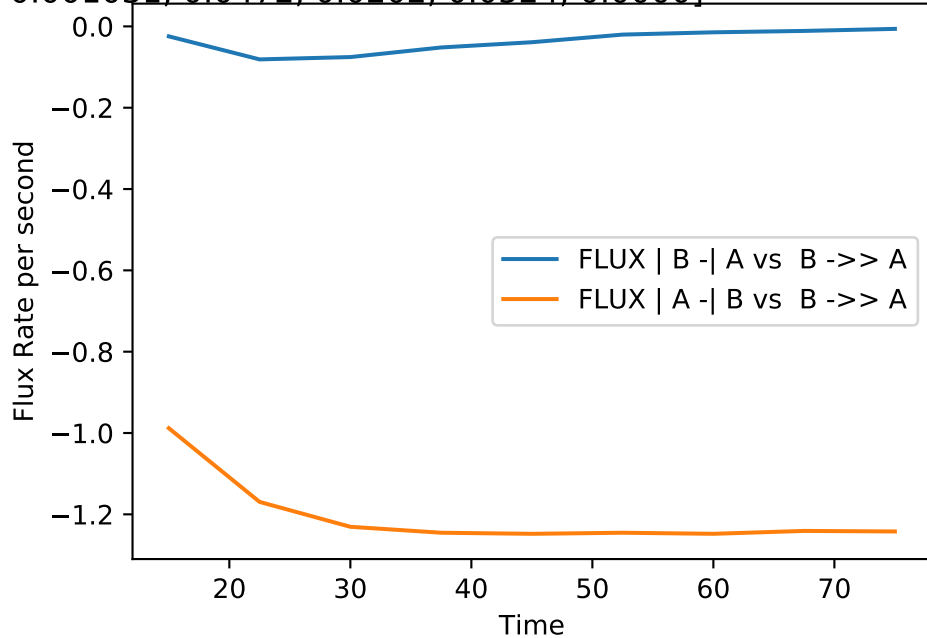
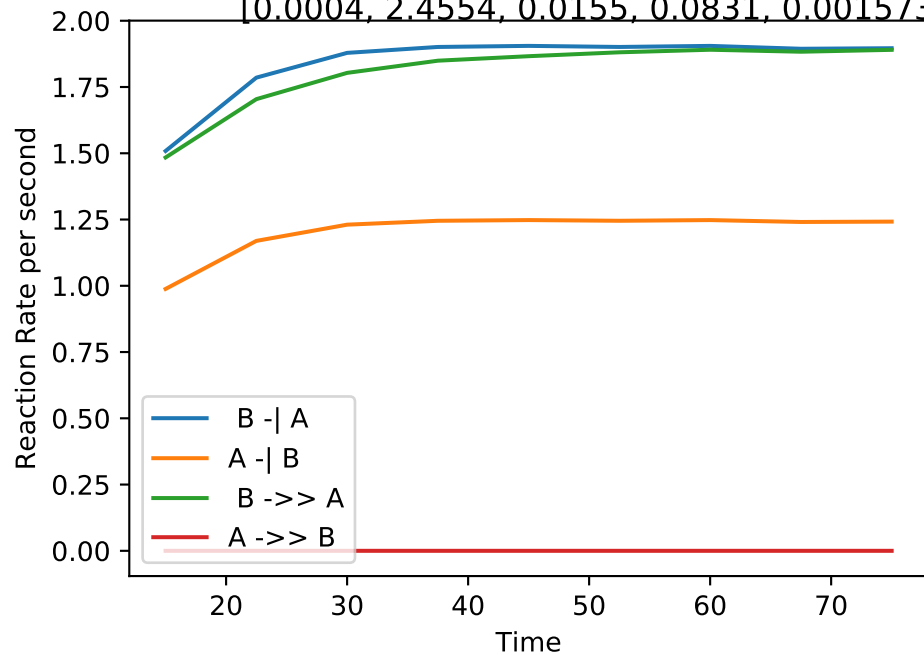
Single_up | MB-LLS Single_up(#320):

[0.0001, 2.4400, 0.0309, 0.1089, 0.001666, 0.0007924, 0.0504, 0.0348, 0.0704, 0.0000]



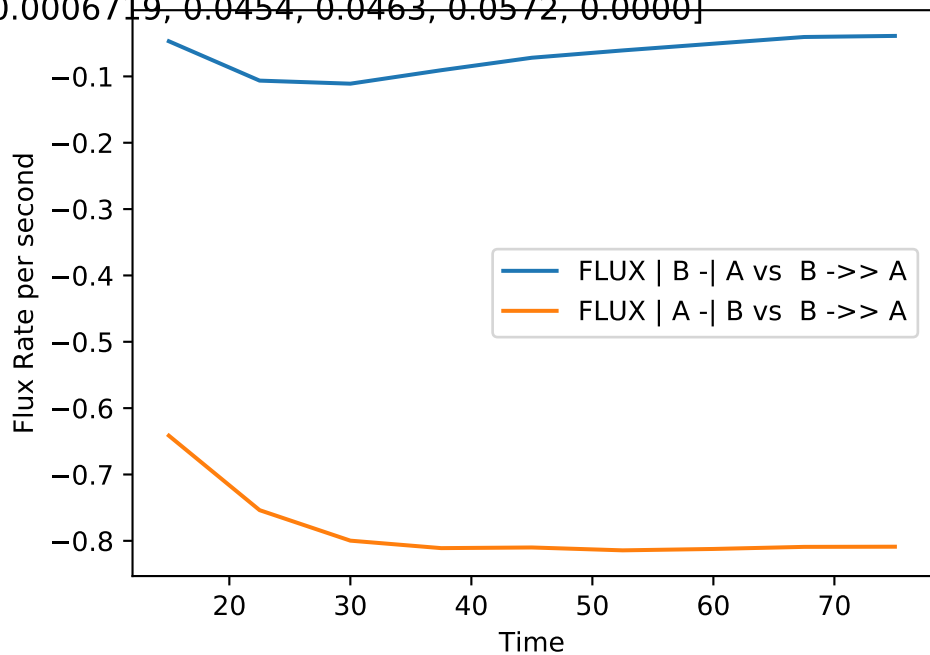
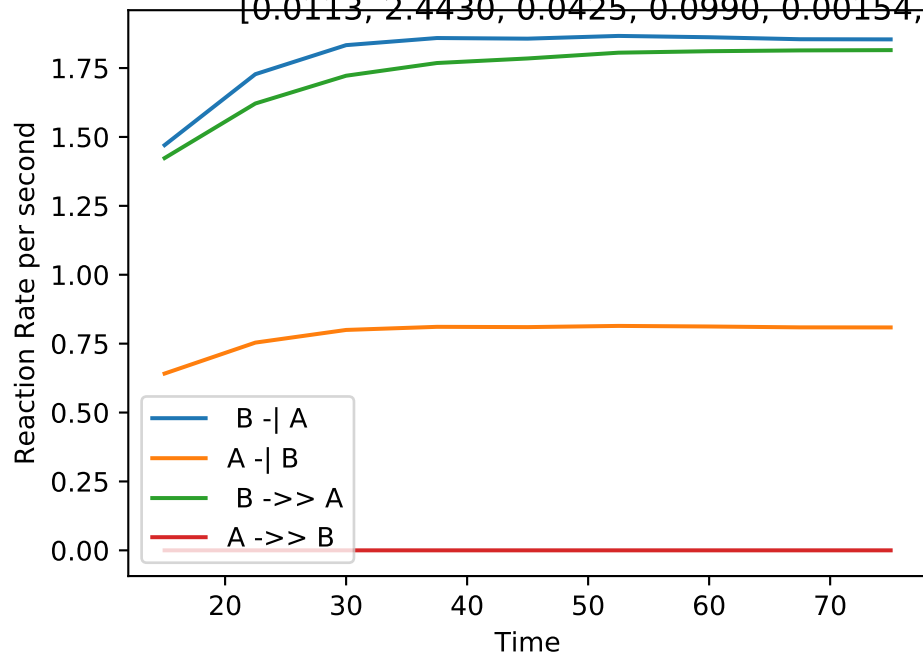
Single_up | MB-LLS Single_up(#321):

[0.0004, 2.4554, 0.0155, 0.0831, 0.001573, 0.001031, 0.0472, 0.0202, 0.0524, 0.0000]



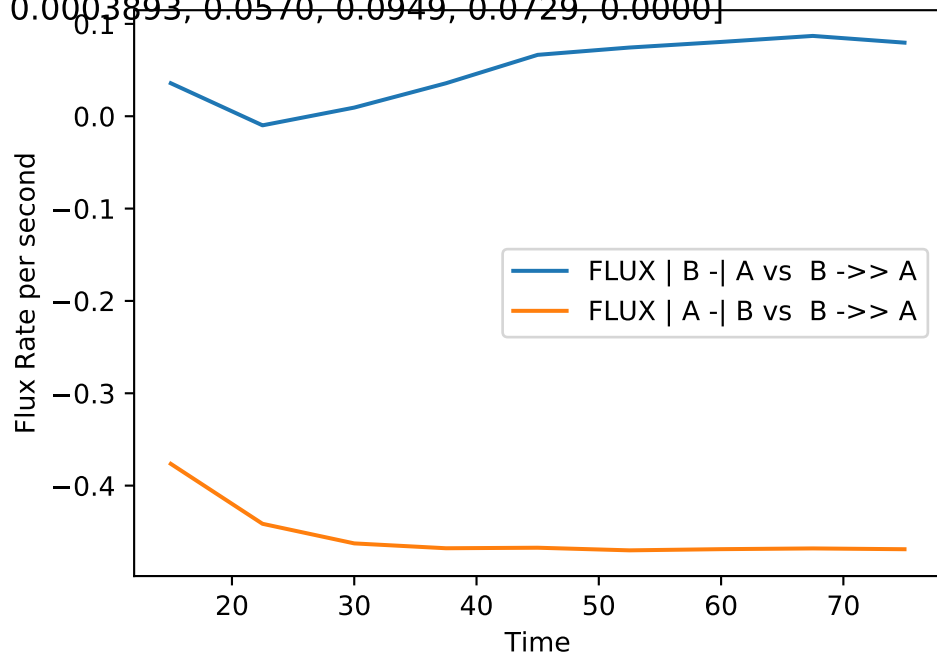
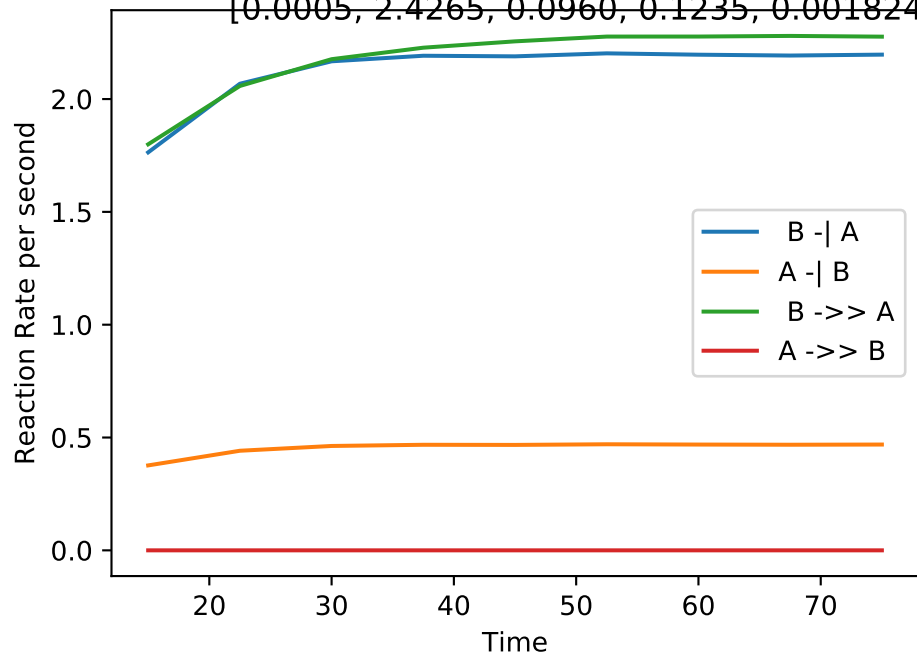
Single_up | MB-LLS Single_up(#322):

[0.0113, 2.4430, 0.0425, 0.0990, 0.00154, 0.0006719, 0.0454, 0.0463, 0.0572, 0.0000]



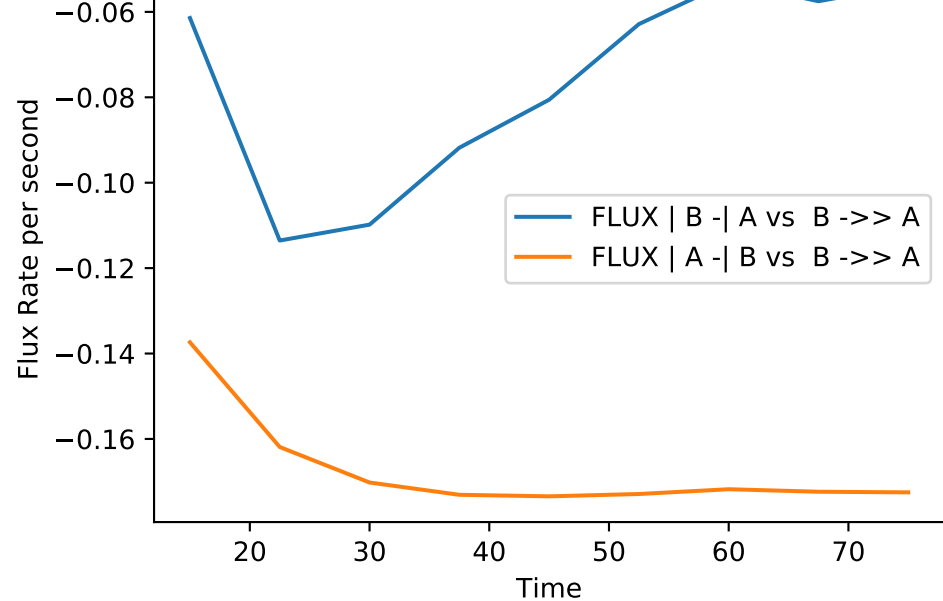
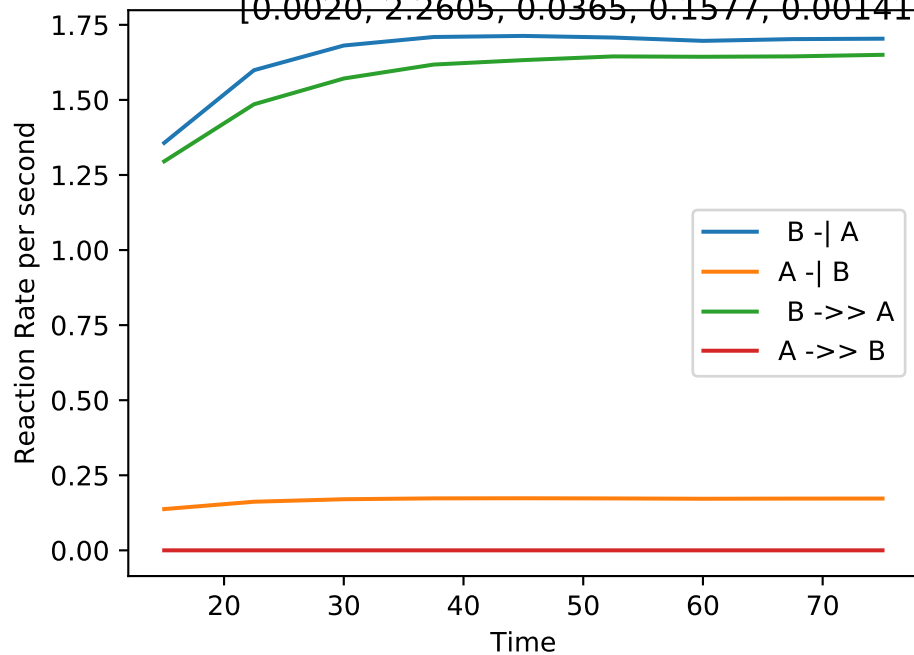
Single_up | MB-LLS Single_up(#323):

[0.0005, 2.4265, 0.0960, 0.1235, 0.001824, 0.0003893, 0.0570, 0.0949, 0.0729, 0.0000]



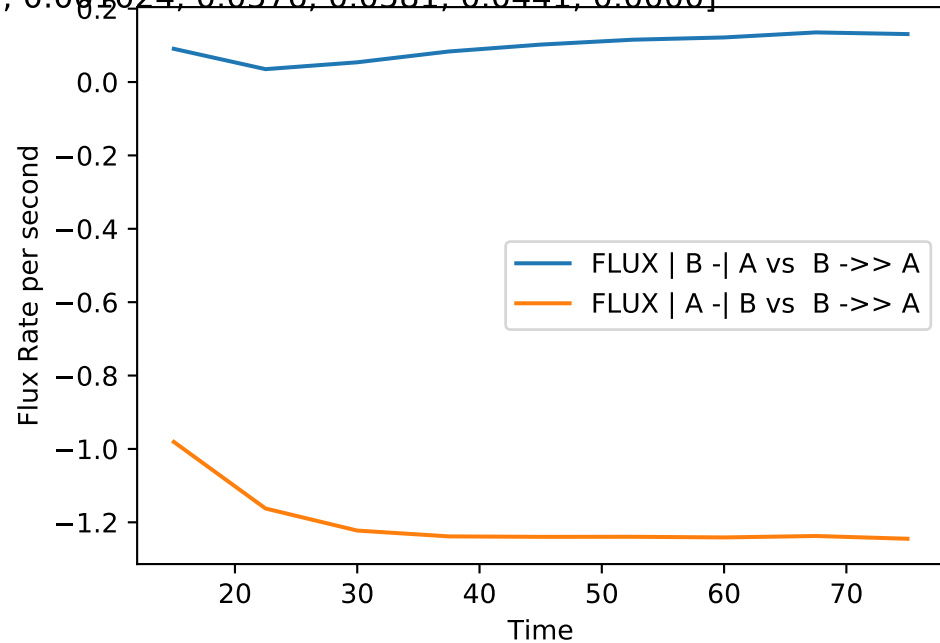
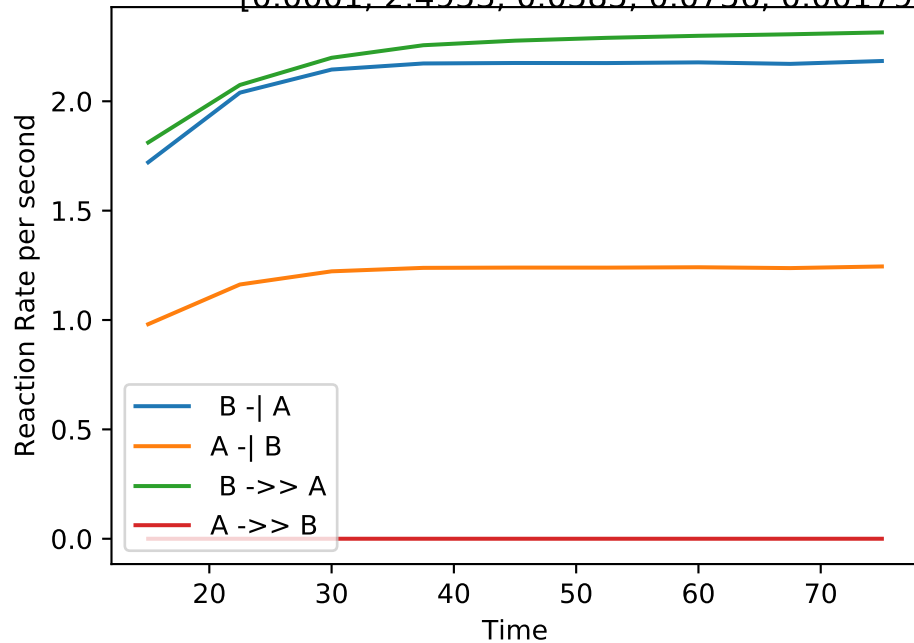
Single_up | MB-LLS Single_up(#324):

[0.0020, 2.2605, 0.0365, 0.1577, 0.001412, 0.000143, 0.0412, 0.0403, 0.1025, 0.0000]



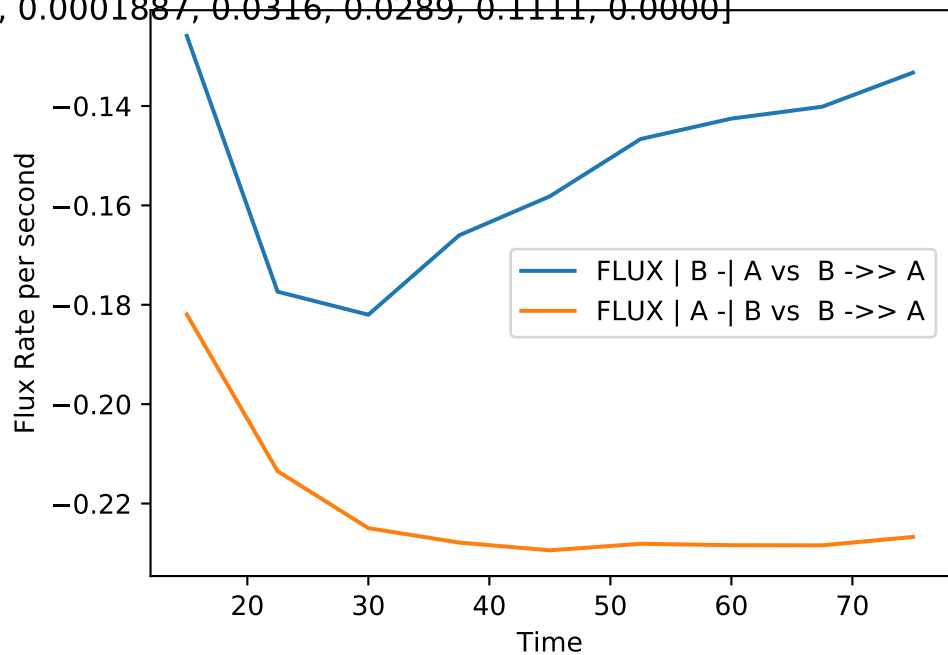
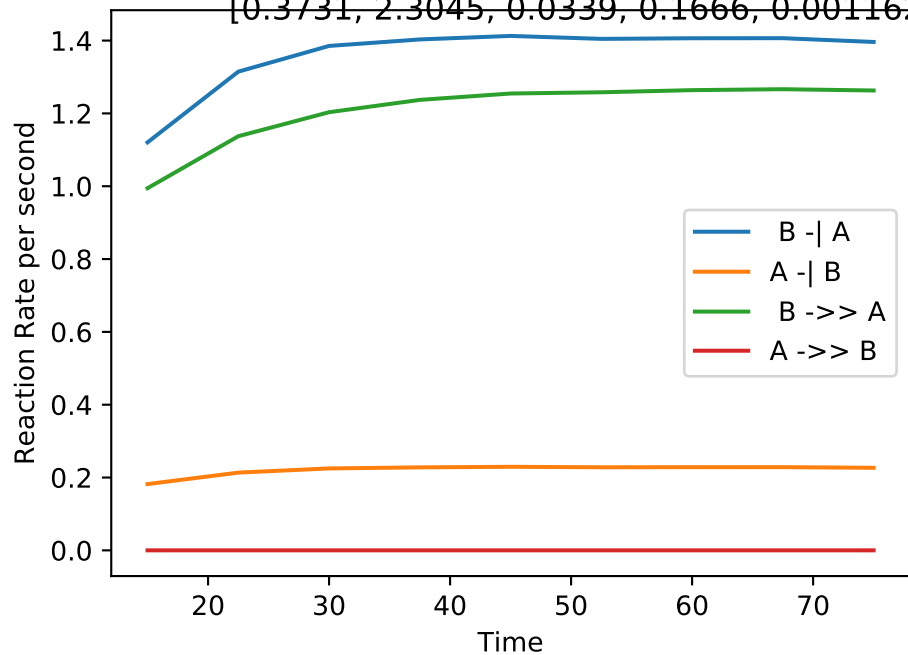
Single_up | MB-LLS Single_up(#325):

[0.0001, 2.4953, 0.0585, 0.0756, 0.001797, 0.001024, 0.0576, 0.0581, 0.0441, 0.0000]



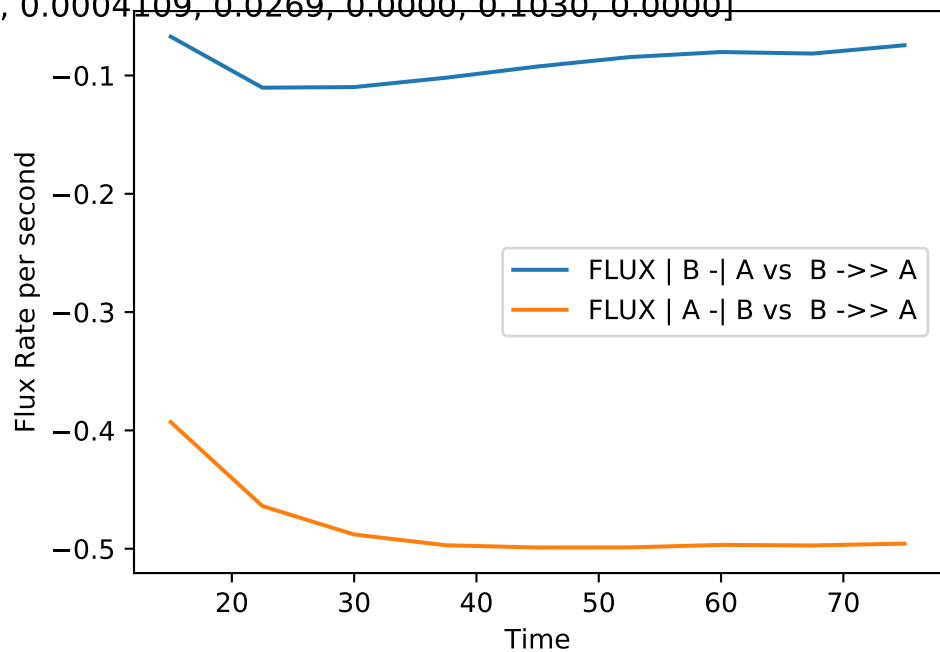
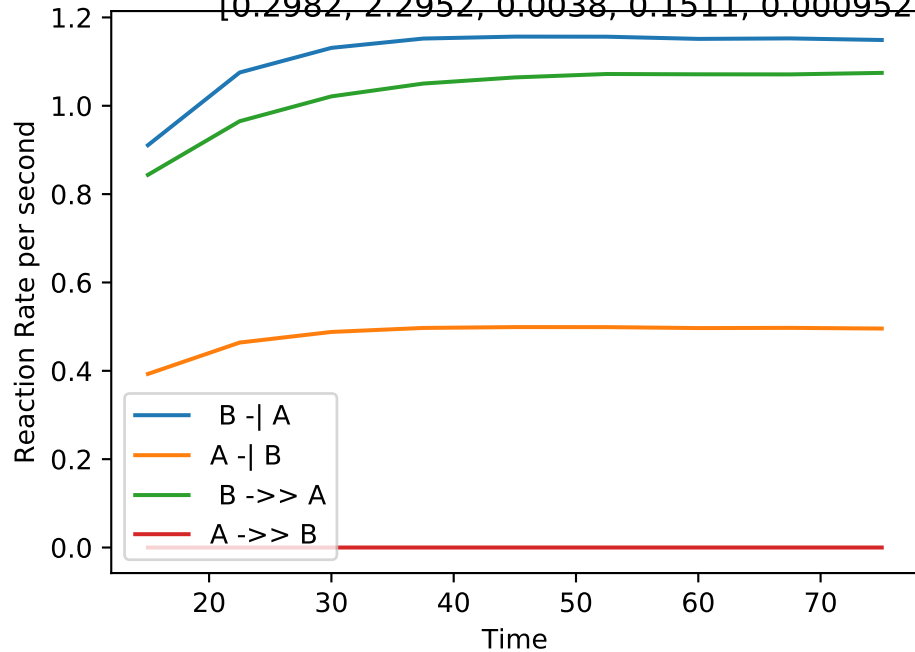
Single_up | MB-LLS Single_up(#326):

[0.3731, 2.3045, 0.0339, 0.1666, 0.001162, 0.0001887, 0.0316, 0.0289, 0.1111, 0.0000]



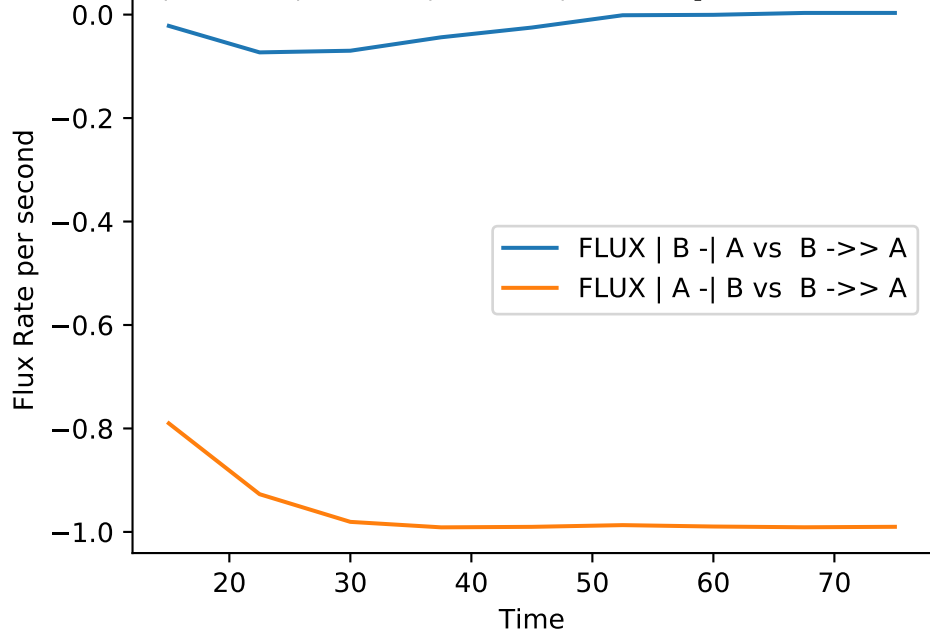
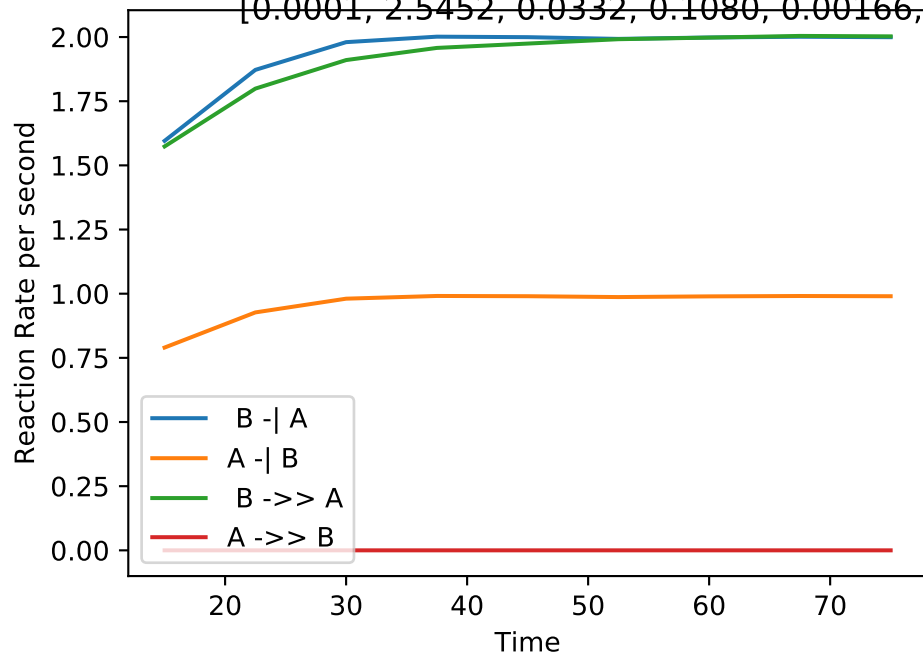
Single_up | MB-LLS Single_up(#327):

[0.2982, 2.2952, 0.0038, 0.1511, 0.0009525, 0.0004109, 0.0269, 0.0000, 0.1030, 0.0000]



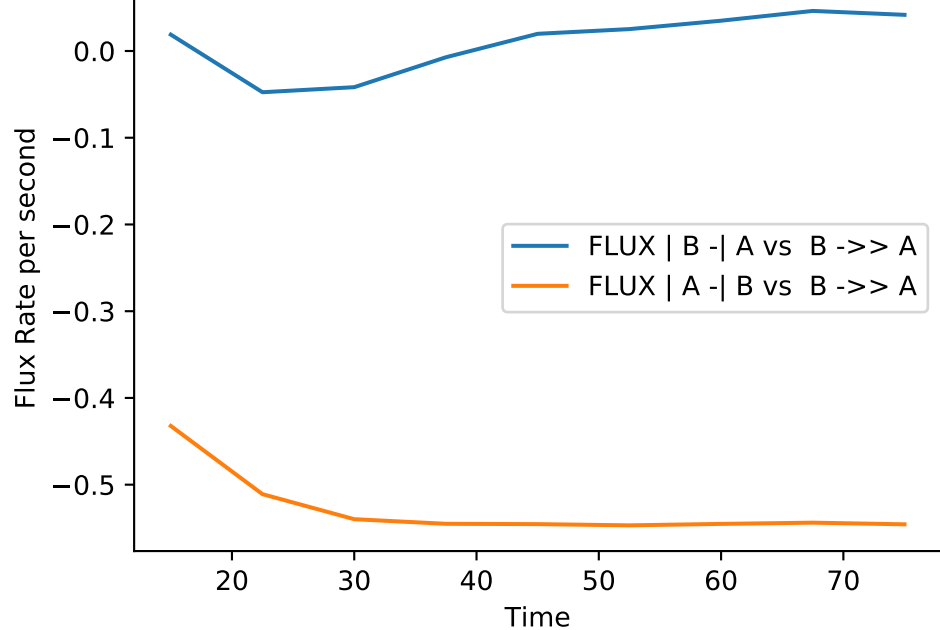
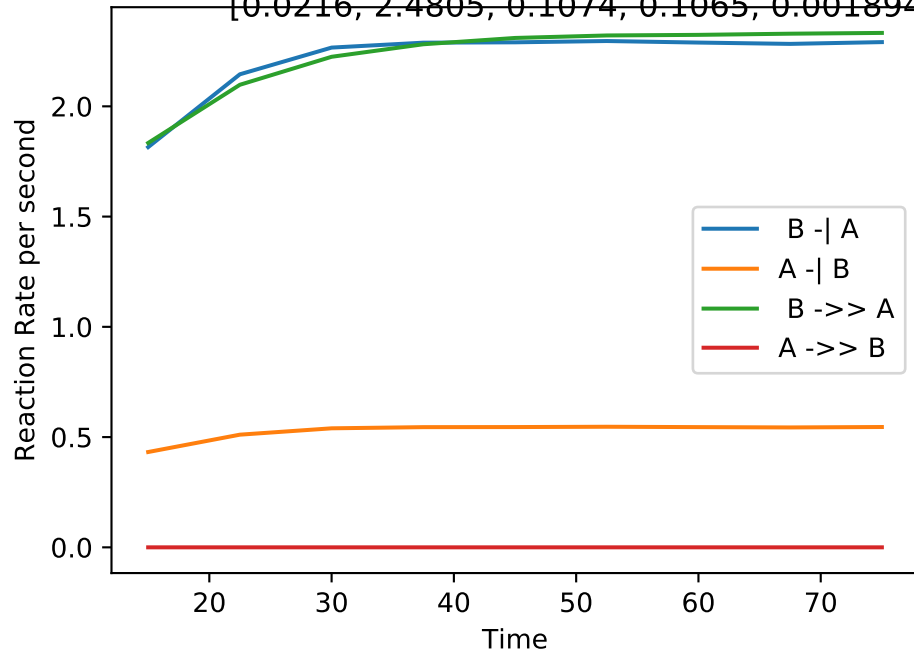
Single_up | MB-LLS Single_up(#328):

[0.0001, 2.5452, 0.0332, 0.1080, 0.00166, 0.0008222, 0.0500, 0.0369, 0.0678, 0.0000]



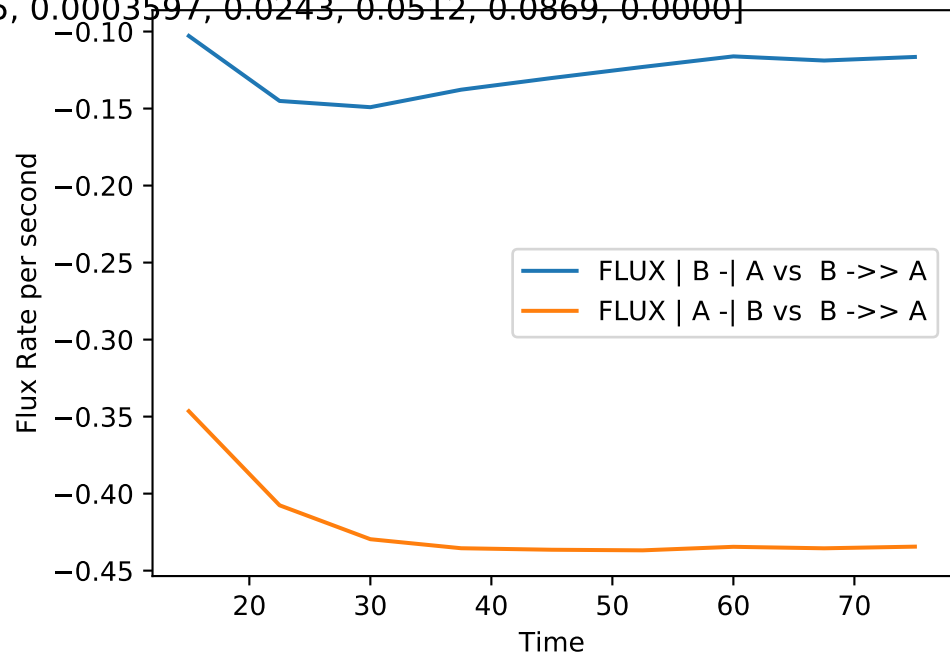
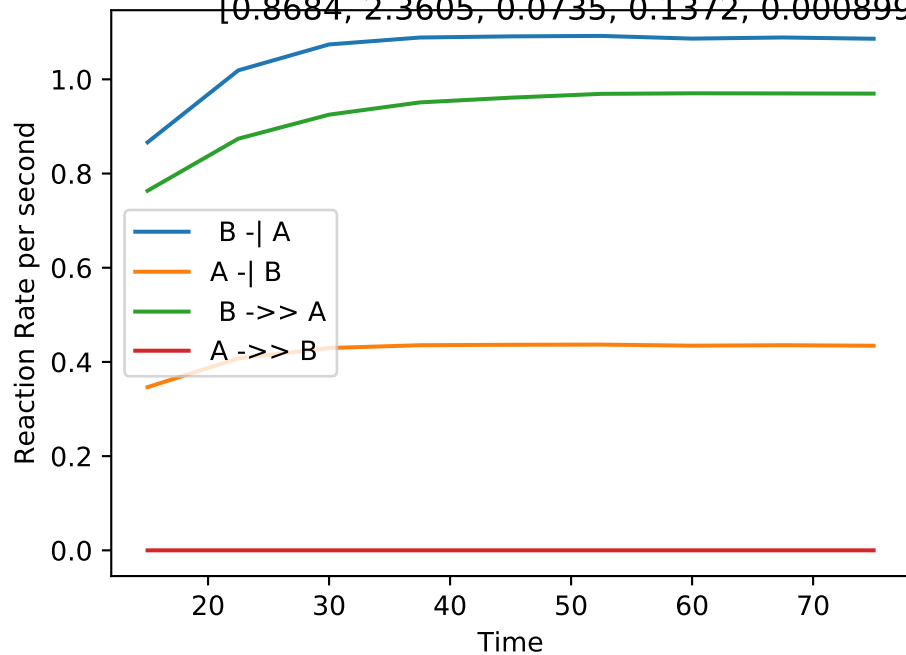
Single_up | MB-LLS Single_up(#329):

[0.0216, 2.4805, 0.1074, 0.1065, 0.001894, 0.0004511, 0.0583, 0.1066, 0.0573, 0.0000]



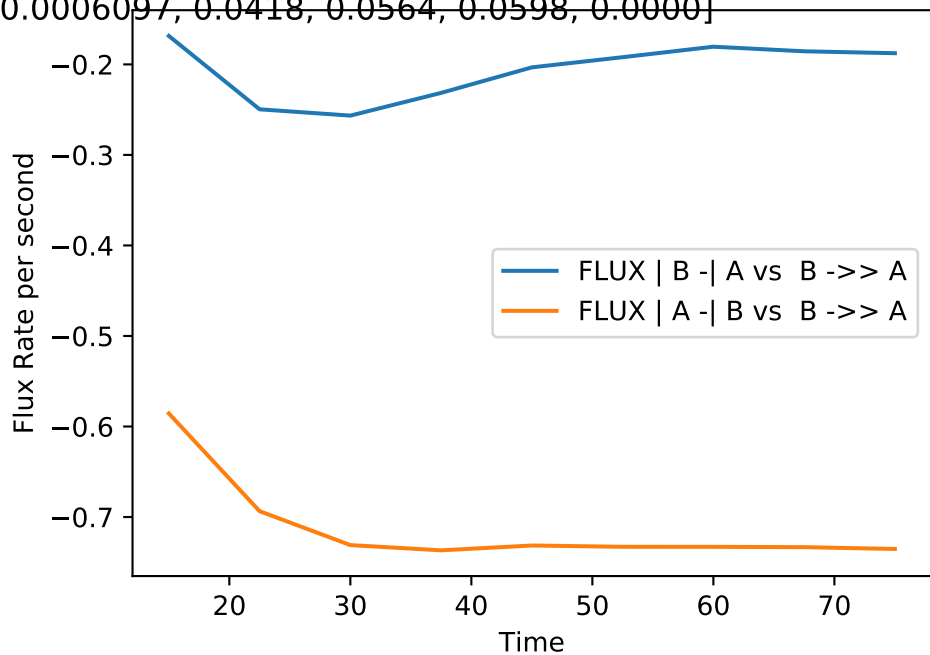
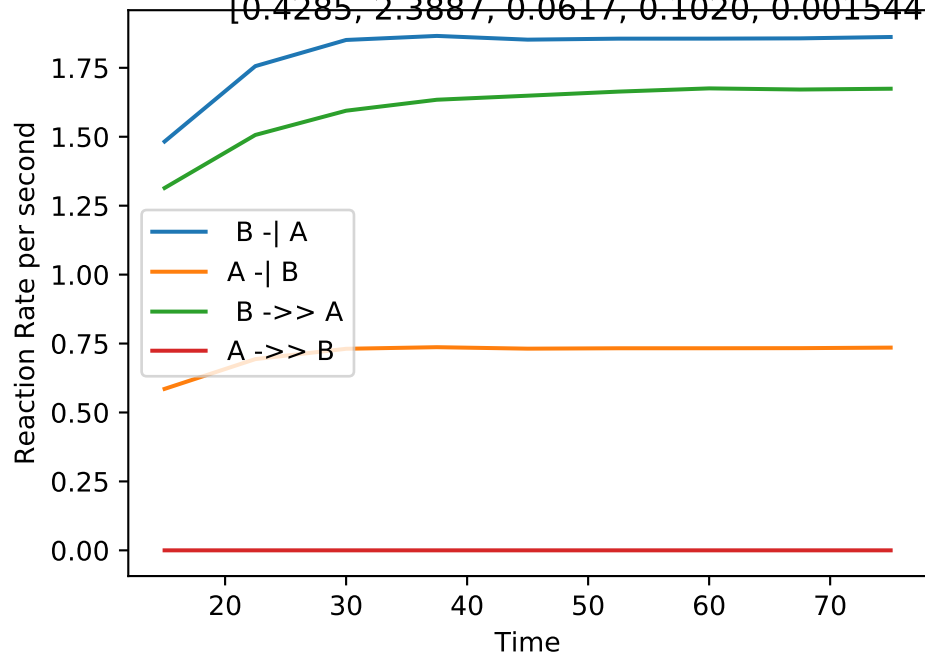
Single_up | MB-LLS Single_up(#330):

[0.8684, 2.3605, 0.0735, 0.1372, 0.0008995, 0.0003597, 0.0243, 0.0512, 0.0869, 0.0000]



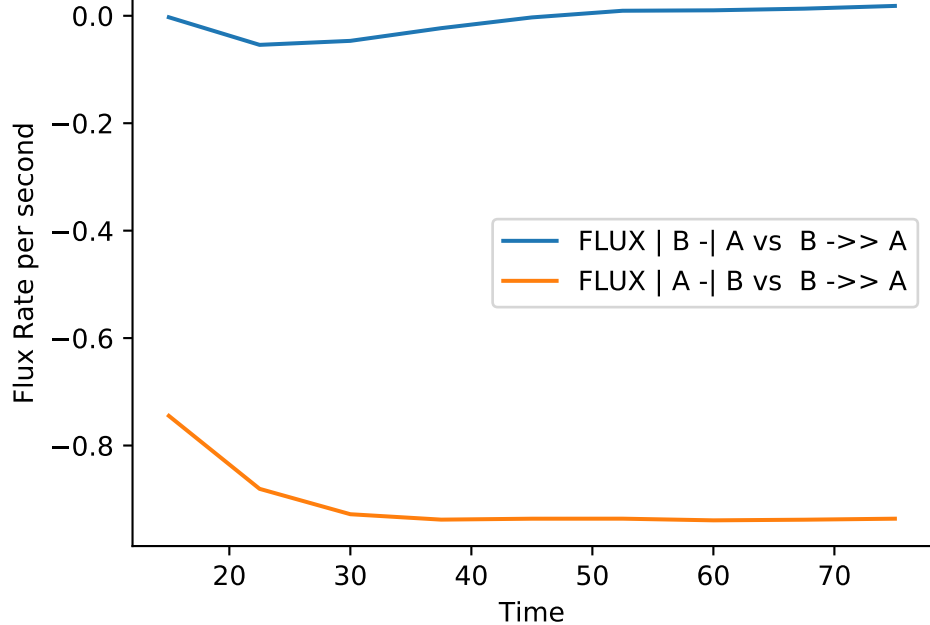
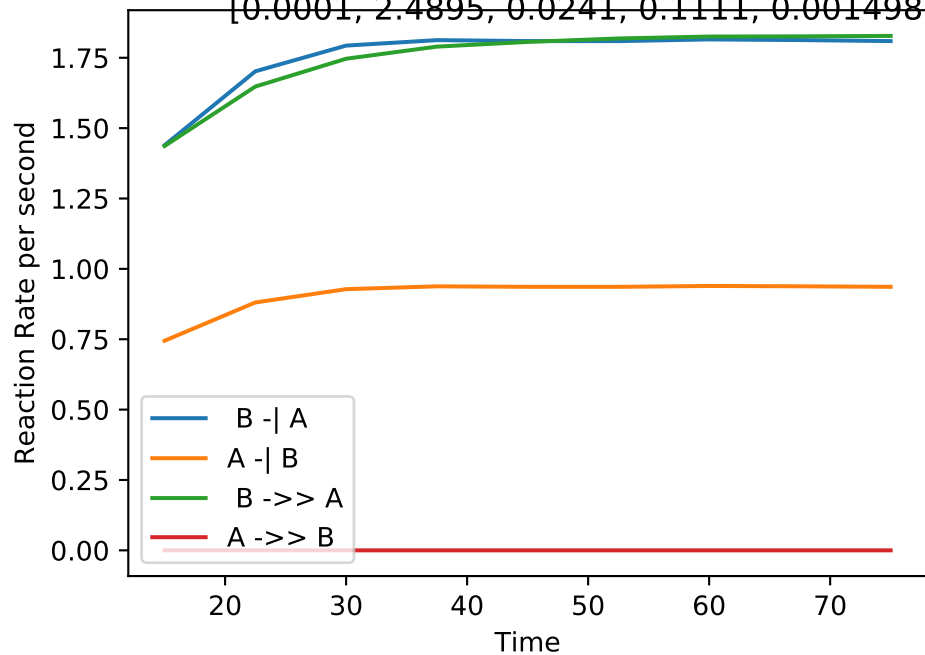
Single_up | MB-LLS Single_up(#331):

[0.4285, 2.3887, 0.0617, 0.1020, 0.001544, 0.0006097, 0.0418, 0.0564, 0.0598, 0.0000]



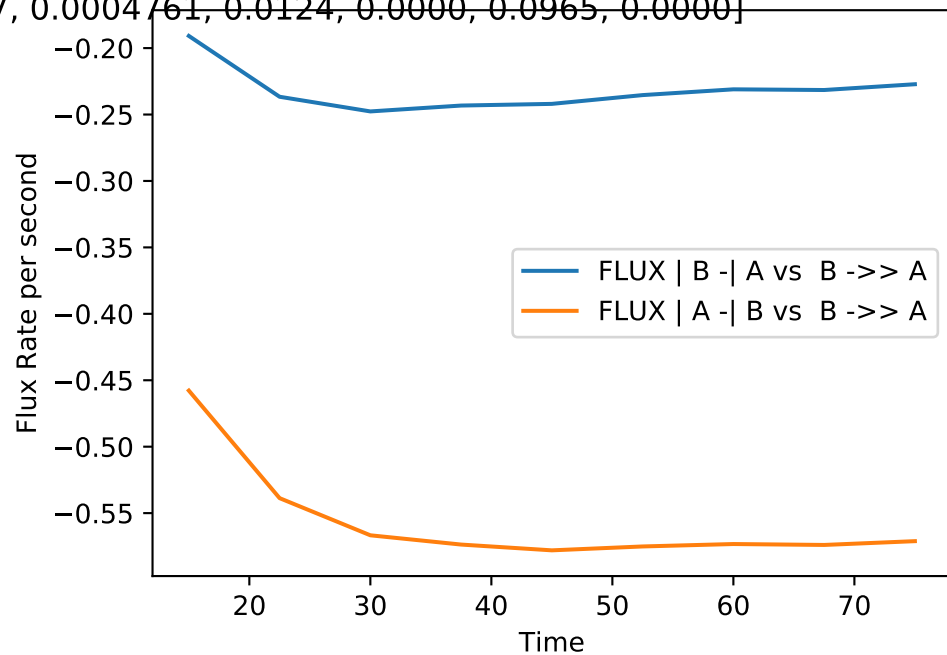
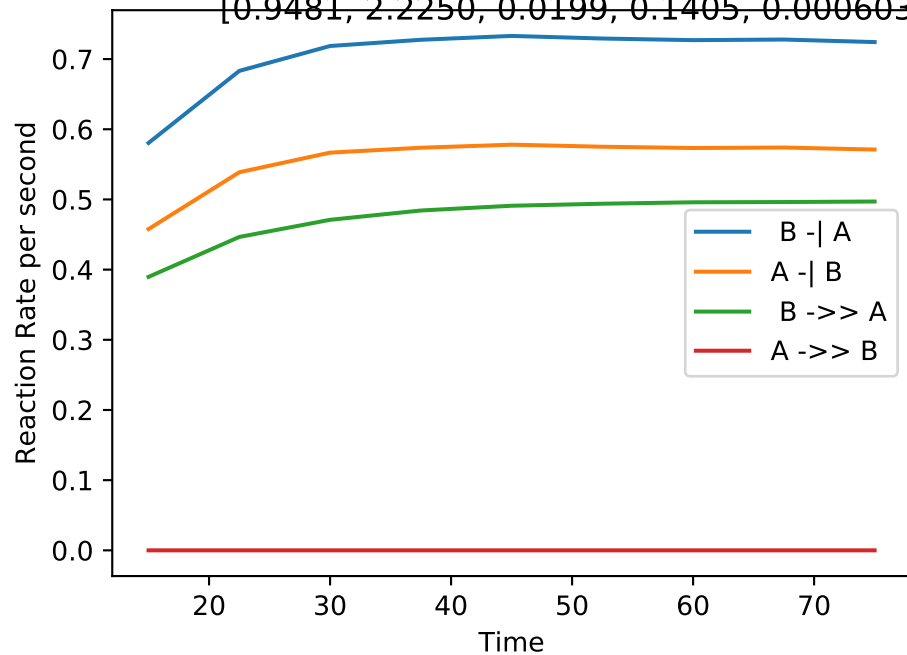
Single_up | MB-LLS Single_up(#332):

[0.0001, 2.4895, 0.0241, 0.1111, 0.001498, 0.0007752, 0.0457, 0.0273, 0.0708, 0.0000]



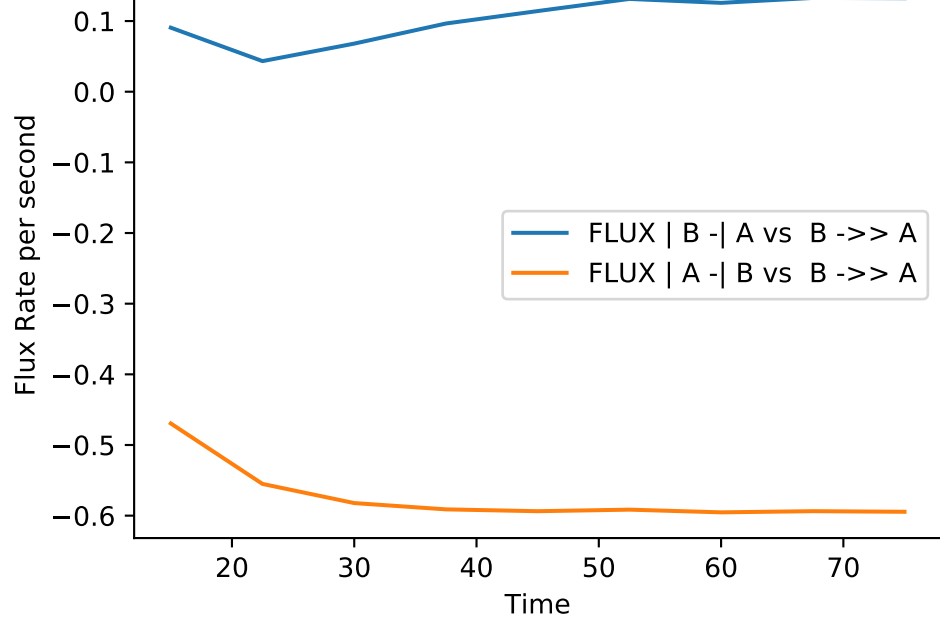
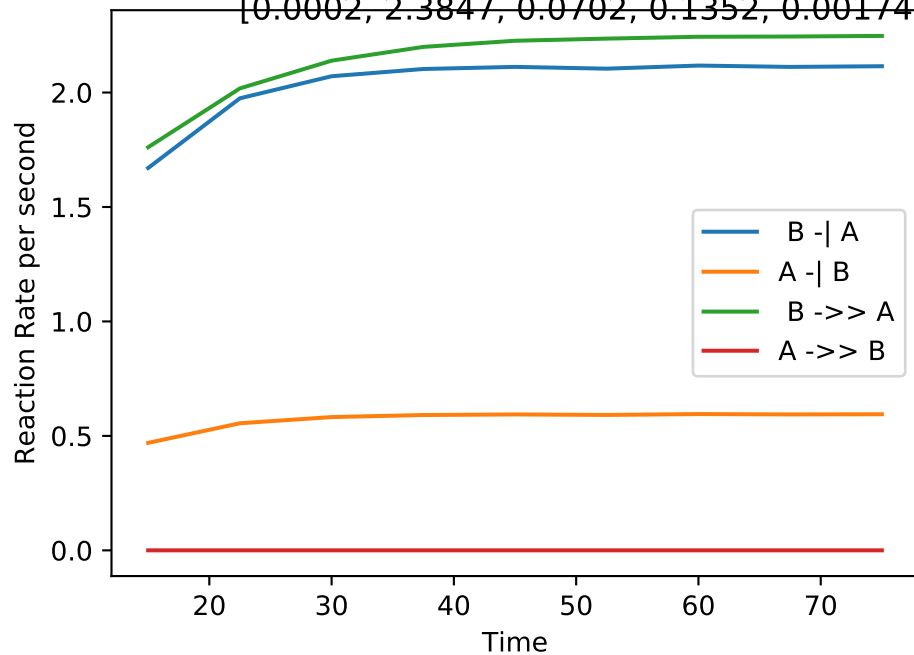
Single_up | MB-LLS Single_up(#333):

[0.9481, 2.2250, 0.0199, 0.1405, 0.0006037, 0.0004761, 0.0124, 0.0000, 0.0965, 0.0000]



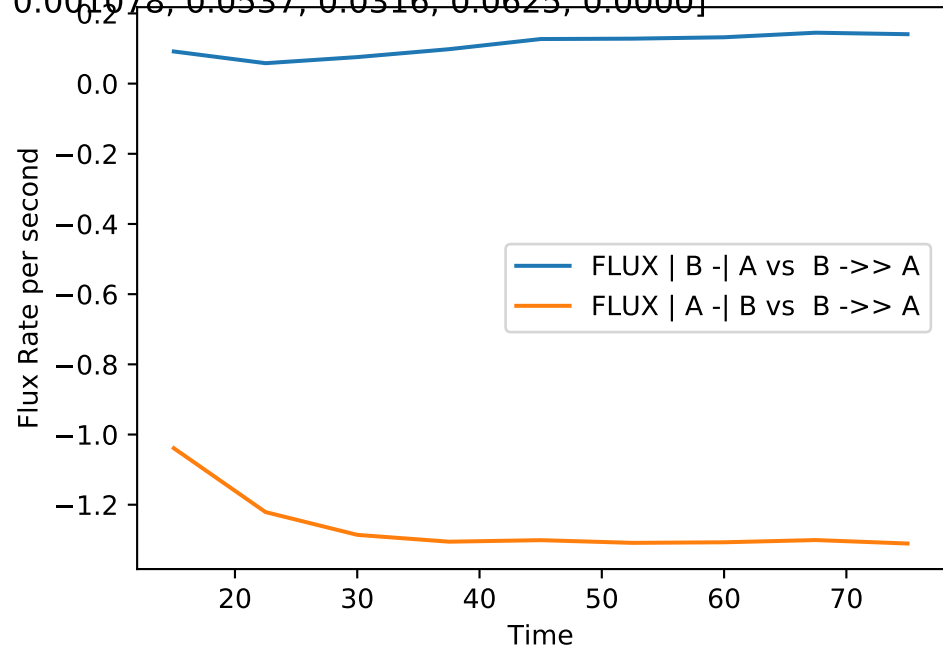
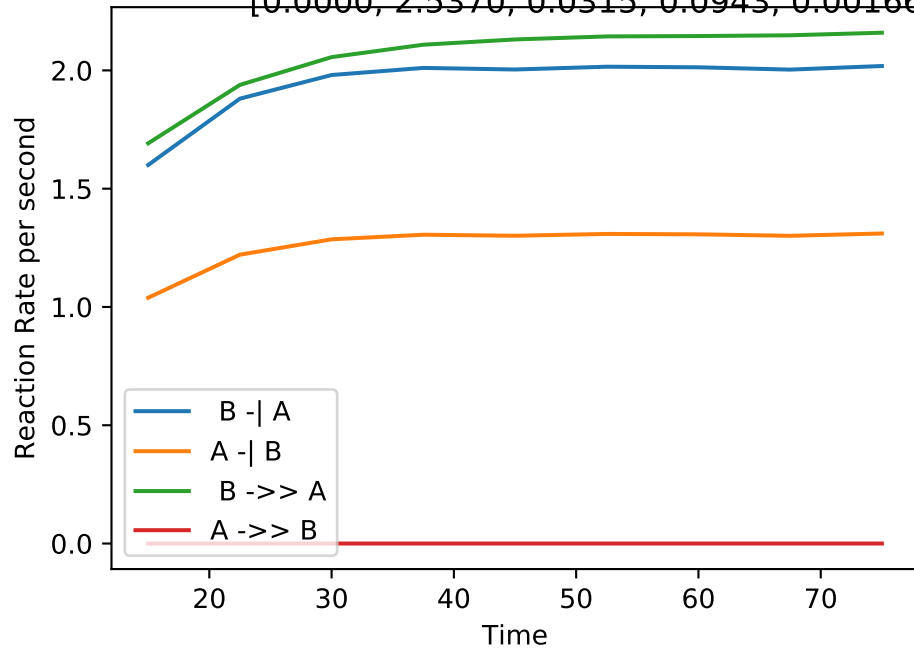
Single_up | MB-LLS Single_up(#334):

[0.0002, 2.3847, 0.0702, 0.1352, 0.001747, 0.000491, 0.0563, 0.0688, 0.0880, 0.0000]



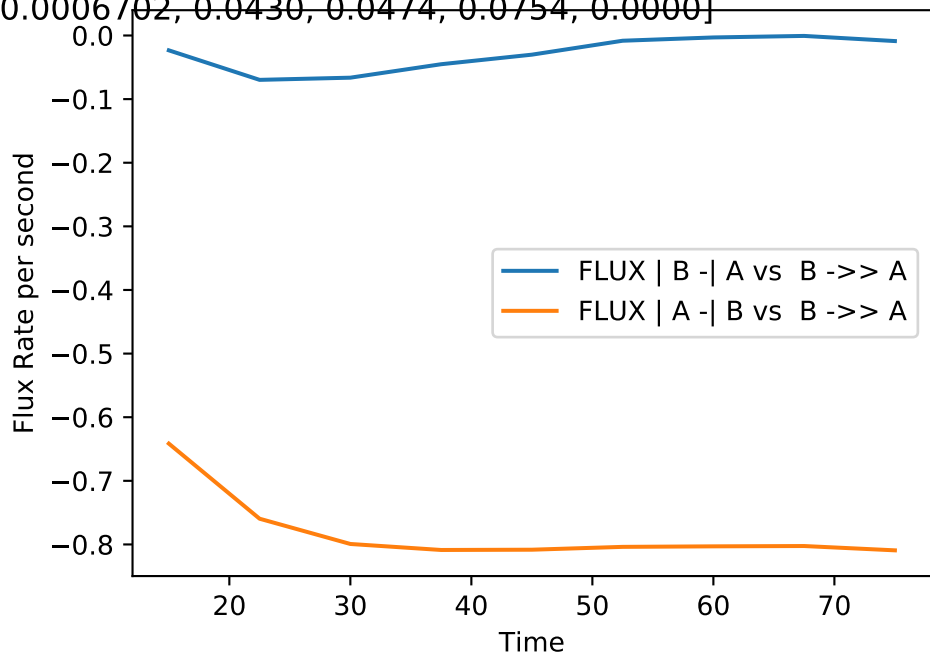
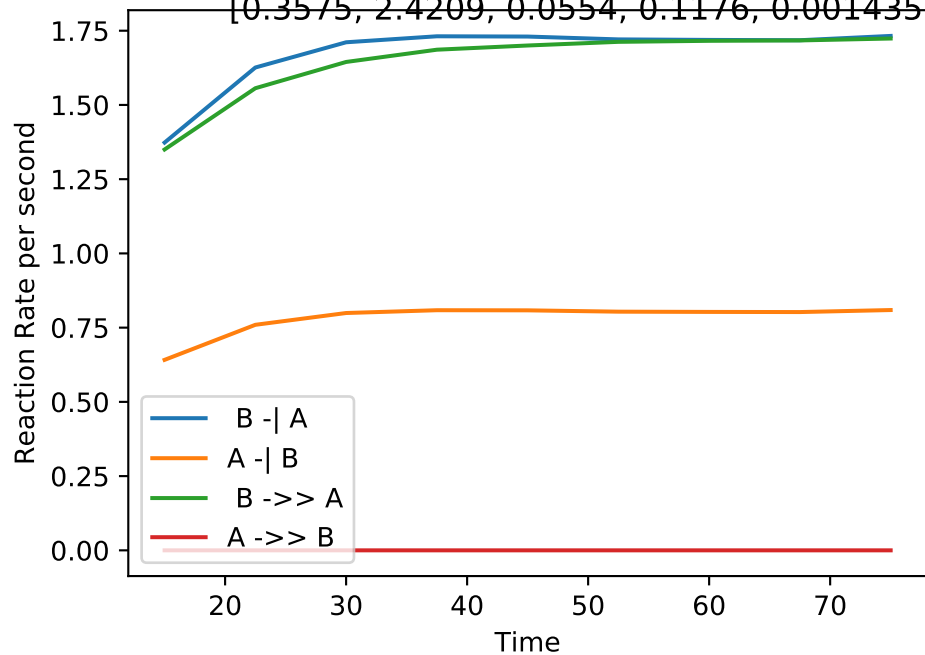
Single_up | MB-LLS Single_up(#335):

[0.0000, 2.5370, 0.0315, 0.0943, 0.00166, 0.001078, 0.0537, 0.0316, 0.0625, 0.0000]



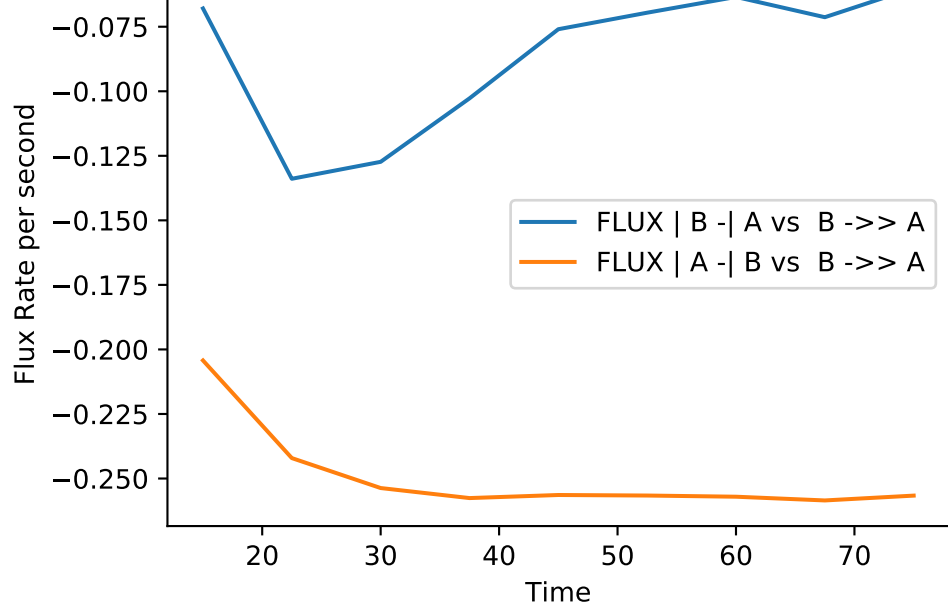
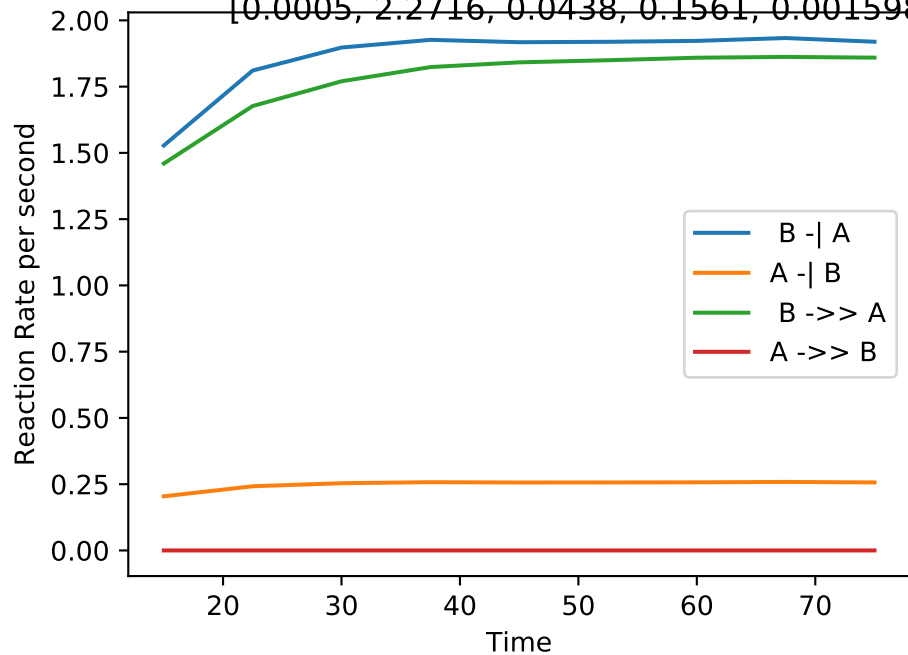
Single_up | MB-LLS Single_up(#336):

[0.3575, 2.4209, 0.0554, 0.1176, 0.001435, 0.0006702, 0.0430, 0.0474, 0.0754, 0.0000]



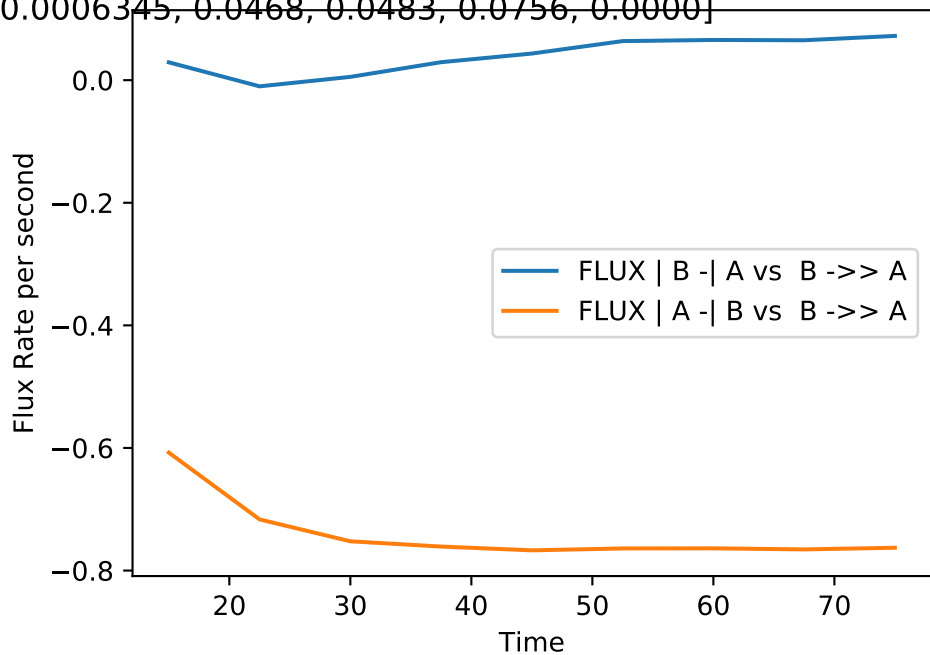
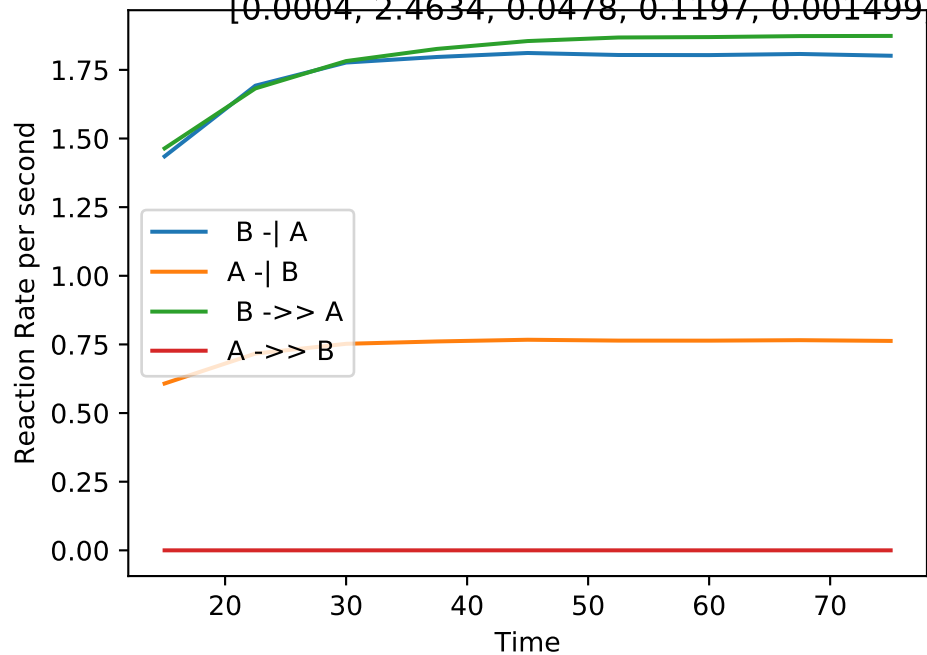
Single_up | MB-LLS Single_up(#337):

[0.0005, 2.2716, 0.0438, 0.1561, 0.001598, 0.0002137, 0.0465, 0.0480, 0.1026, 0.0000]



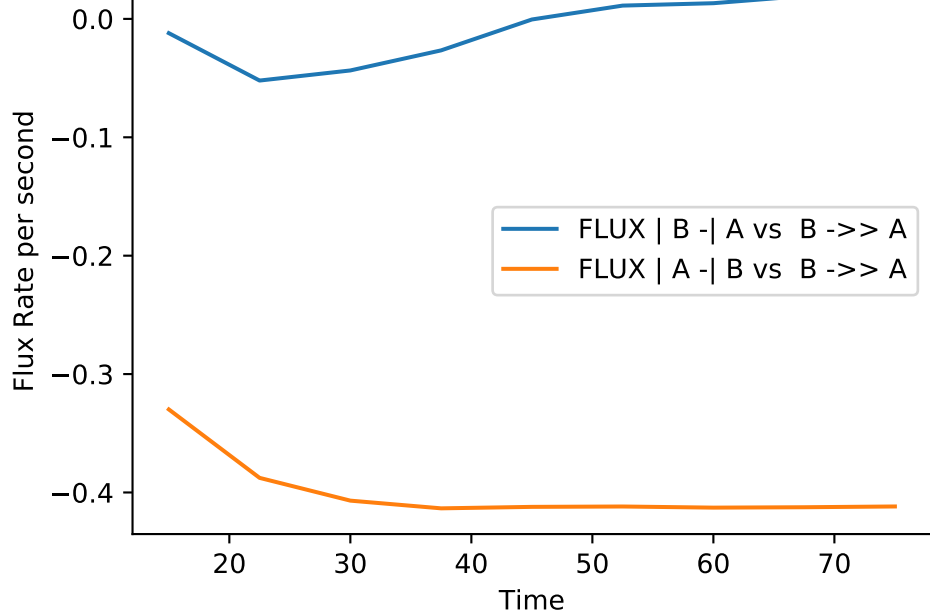
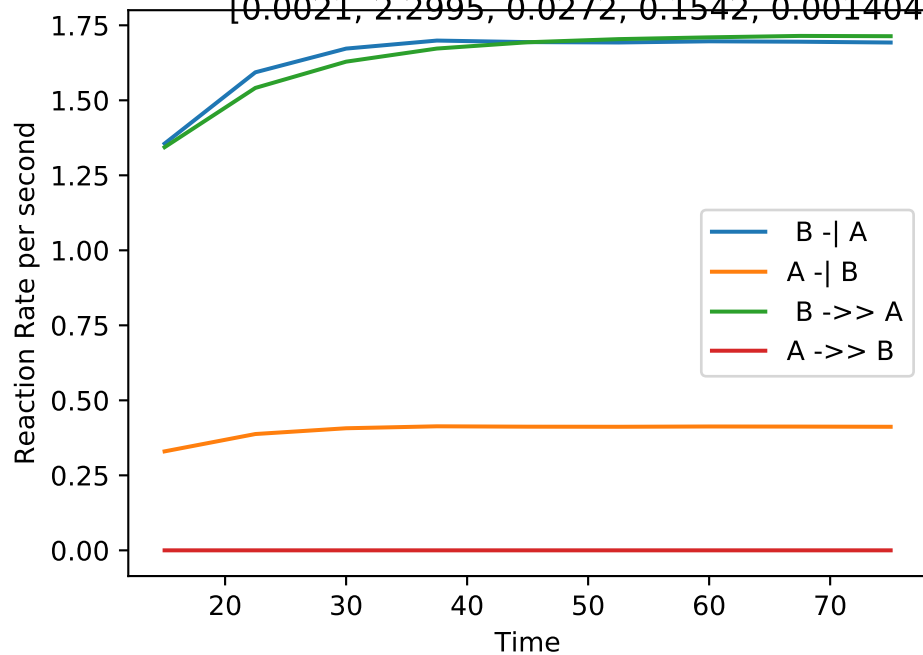
Single_up | MB-LLS Single_up(#338):

[0.0004, 2.4634, 0.0478, 0.1197, 0.001499, 0.0006345, 0.0468, 0.0483, 0.0756, 0.0000]



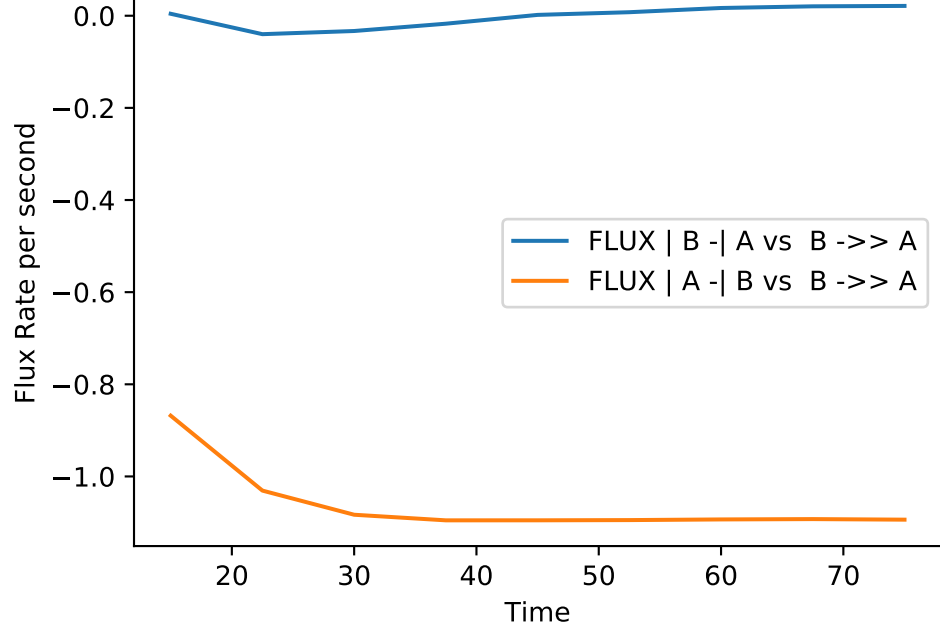
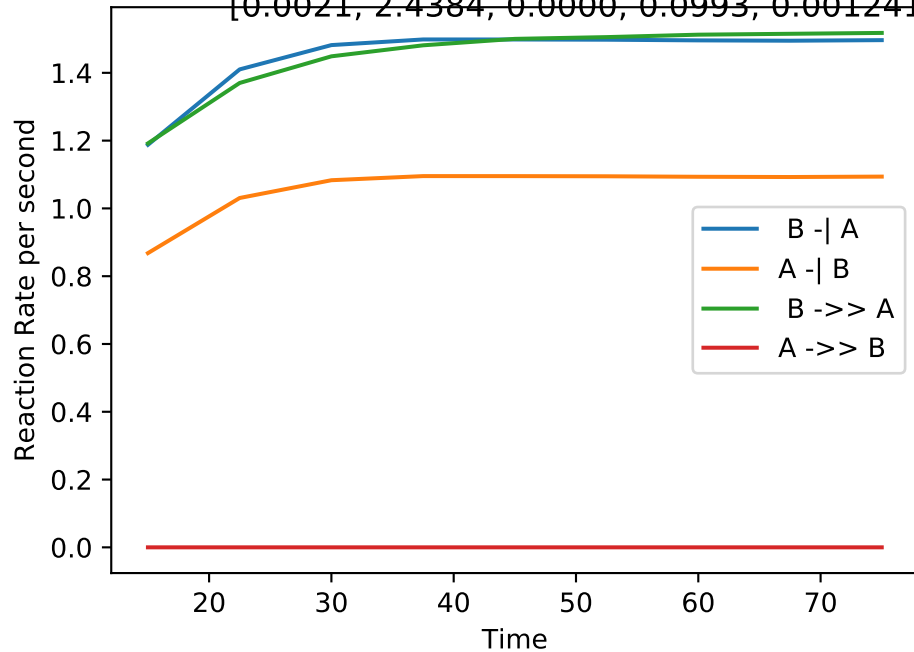
Single_up | MB-LLS Single_up(#339):

[0.0021, 2.2995, 0.0272, 0.1542, 0.001404, 0.0003416, 0.0428, 0.0296, 0.1039, 0.0000]



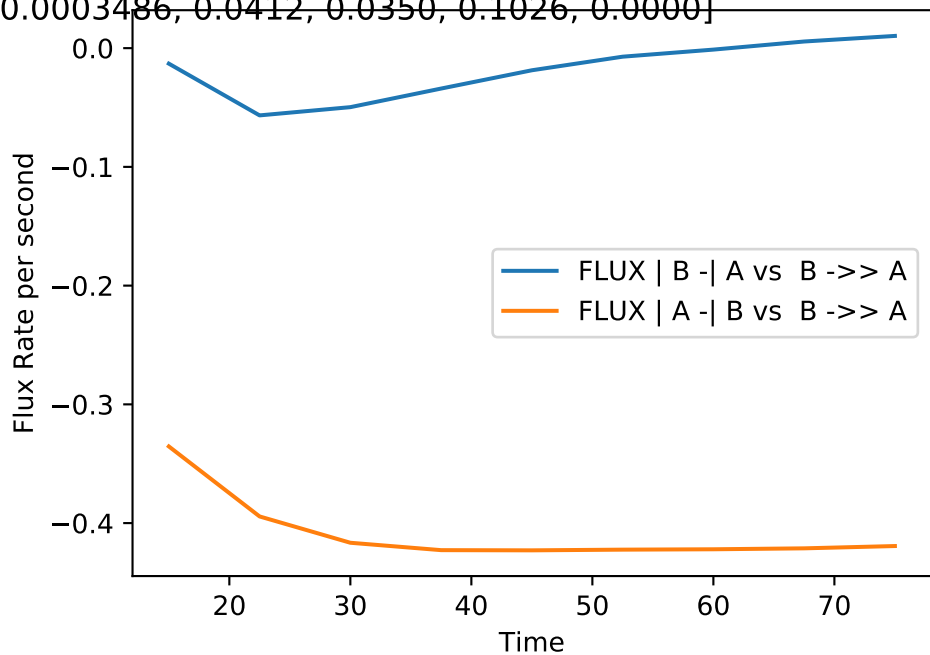
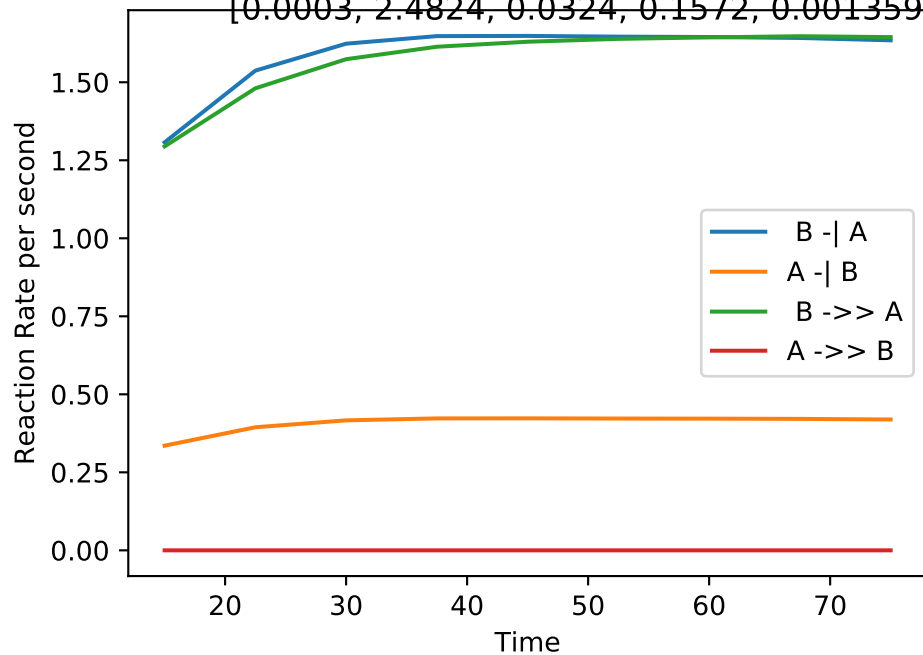
Single_up | MB-LLS Single_up(#340):

[0.0021, 2.4384, 0.0000, 0.0993, 0.001241, 0.0009071, 0.0379, 0.0034, 0.0646, 0.0000]



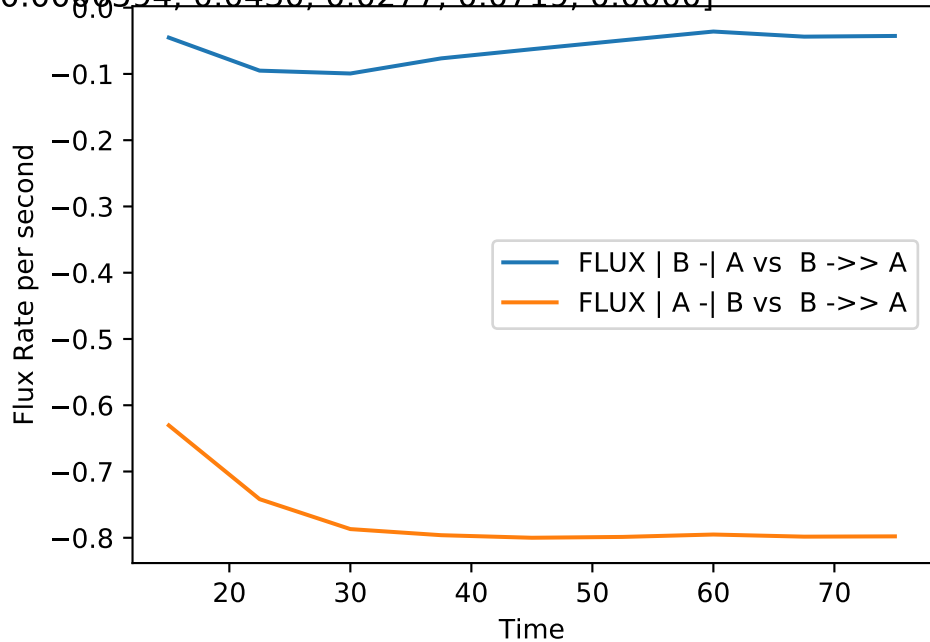
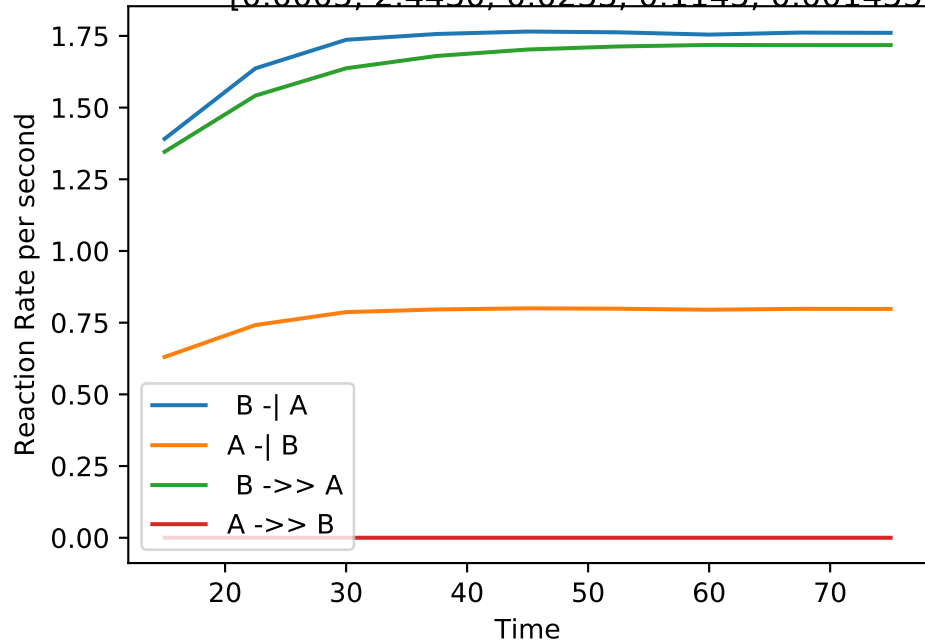
Single_up | MB-LLS Single_up(#341):

[0.0003, 2.4824, 0.0324, 0.1572, 0.001359, 0.0003486, 0.0412, 0.0350, 0.1026, 0.0000]



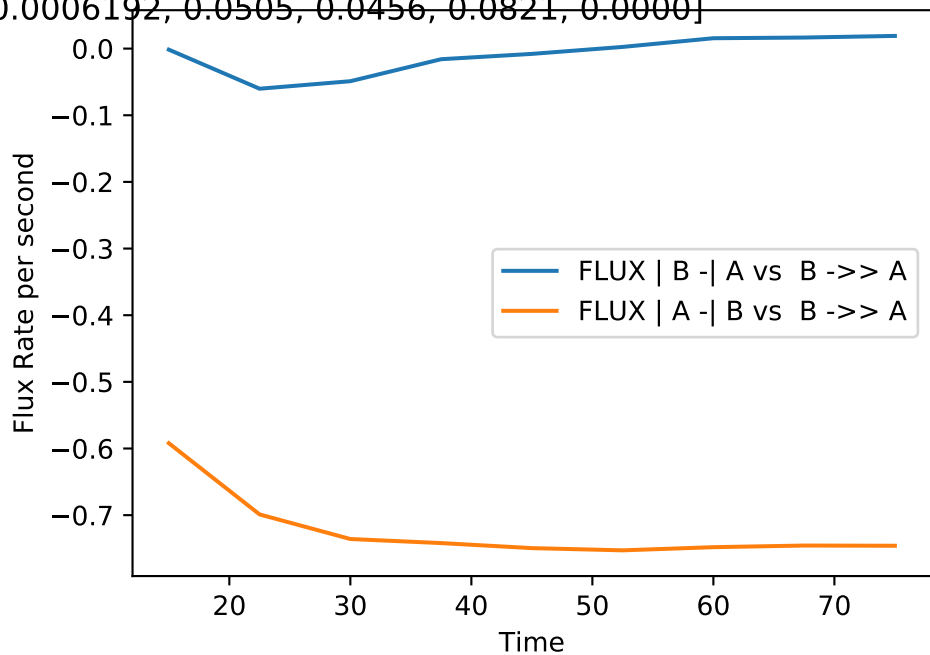
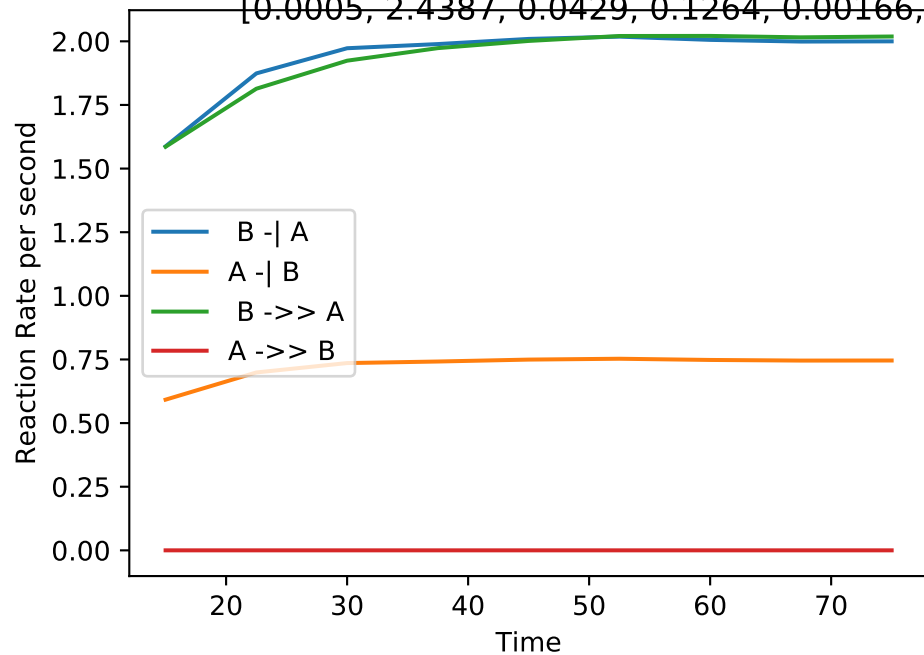
Single_up | MB-LLS Single_up(#342):

[0.0005, 2.4430, 0.0233, 0.1145, 0.001455, 0.0006594, 0.0430, 0.0277, 0.0719, 0.0000]



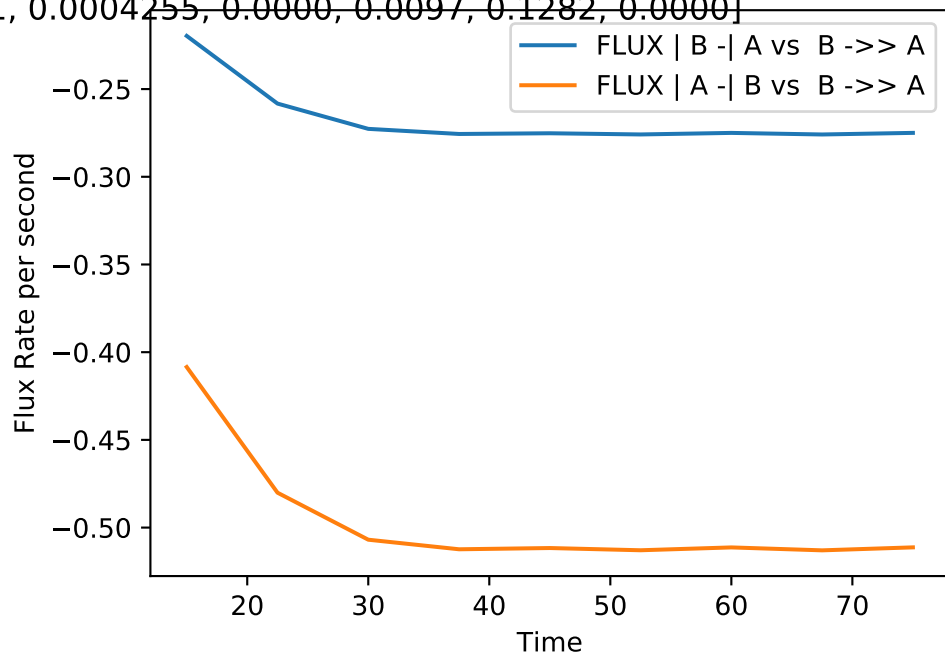
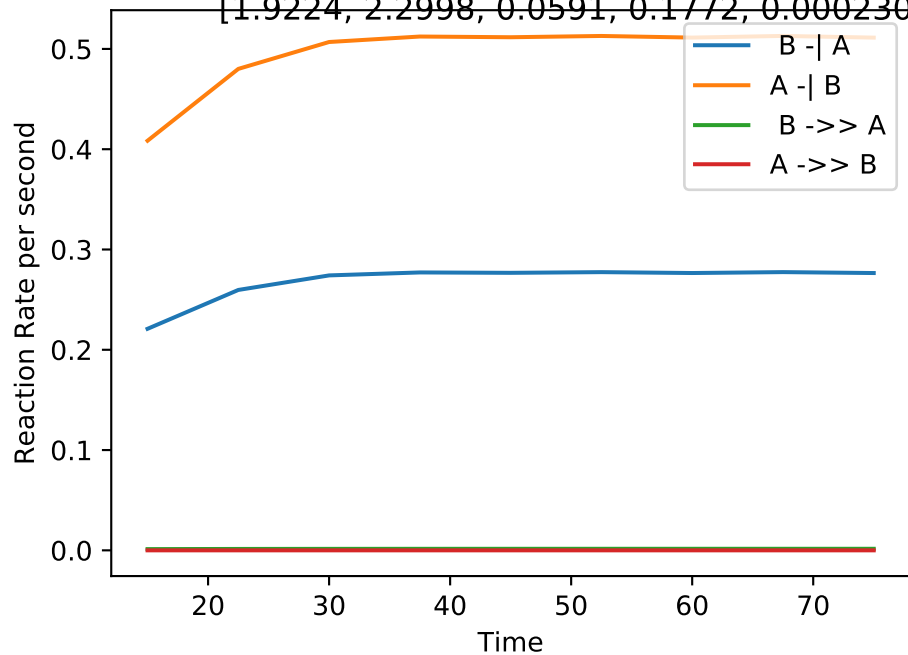
Single_up | MB-LLS Single_up(#343):

[0.0005, 2.4387, 0.0429, 0.1264, 0.00166, 0.0006192, 0.0505, 0.0456, 0.0821, 0.0000]



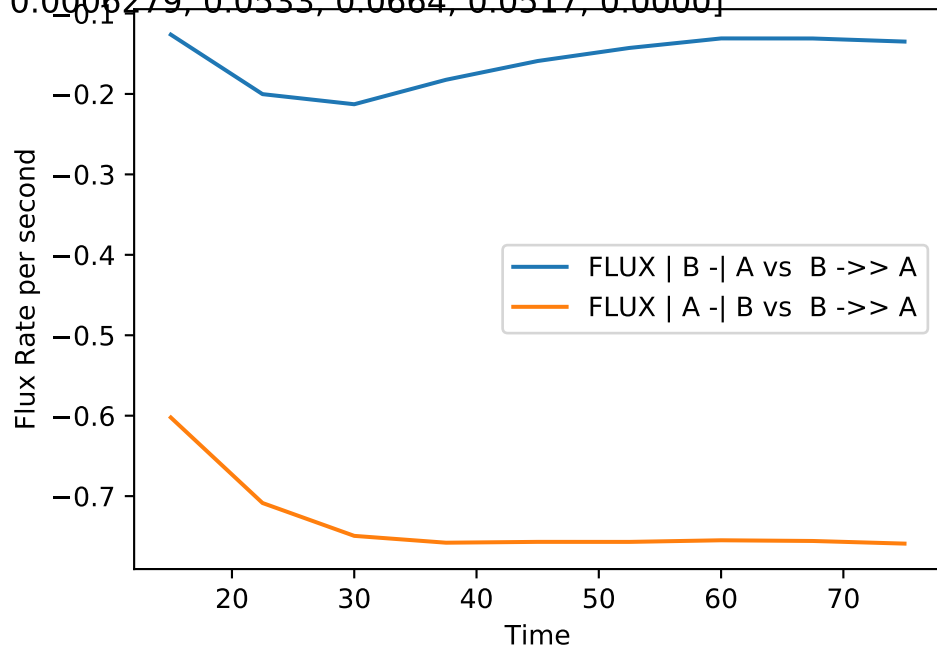
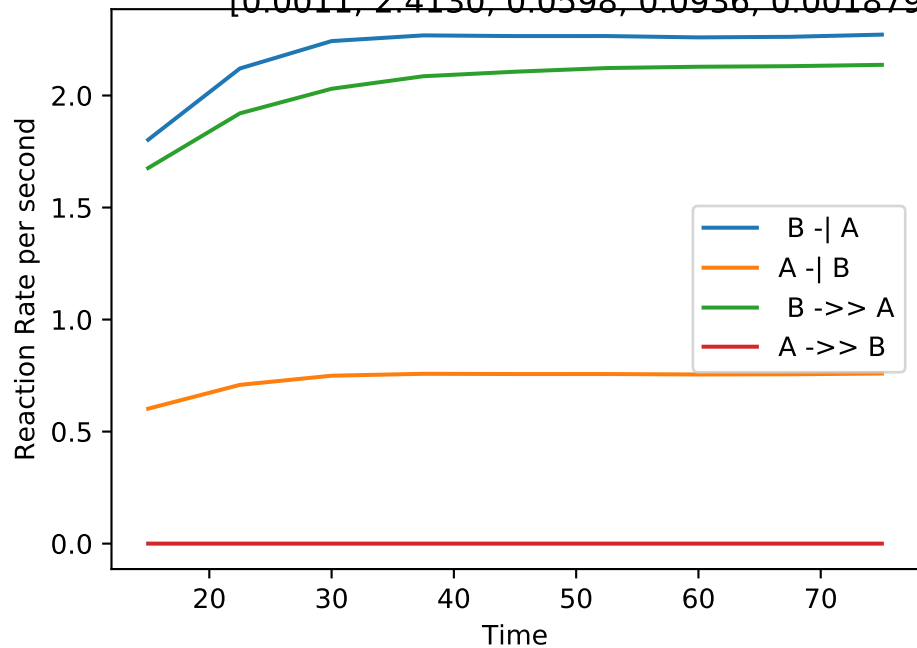
Single_up | MB-LLS Single_up(#344):

[1.9224, 2.2998, 0.0591, 0.1772, 0.0002301, 0.0004255, 0.0000, 0.0097, 0.1282, 0.0000]



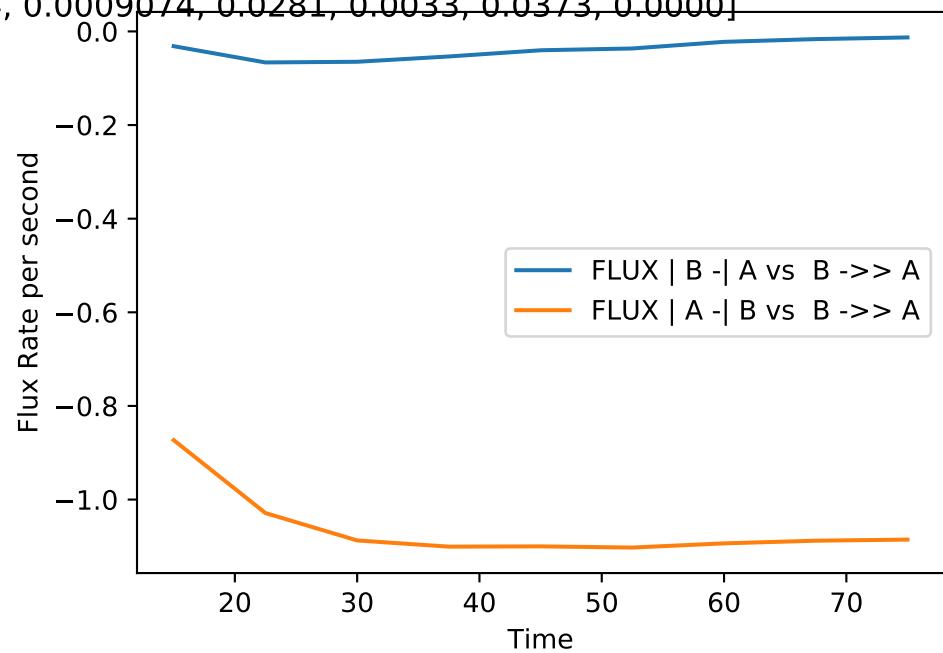
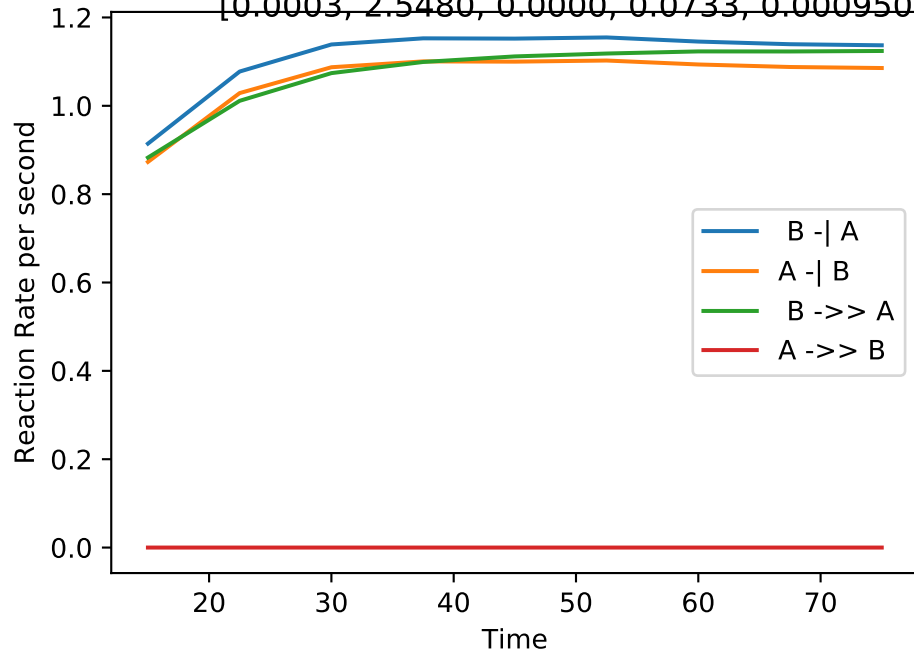
Single_up | MB-LLS Single_up(#345):

[0.0011, 2.4130, 0.0598, 0.0936, 0.001879, 0.0006279, 0.0533, 0.0664, 0.0517, 0.0000]



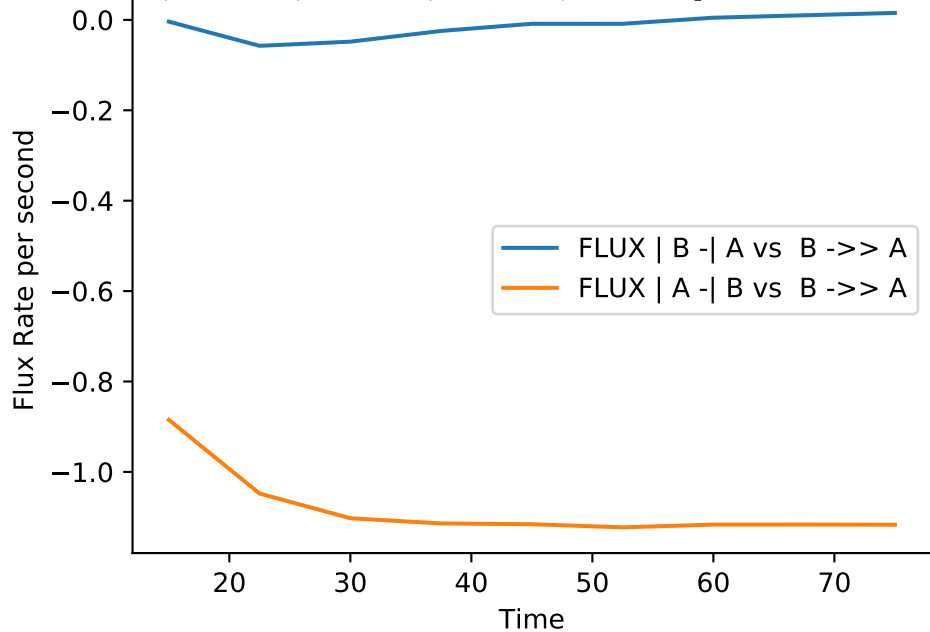
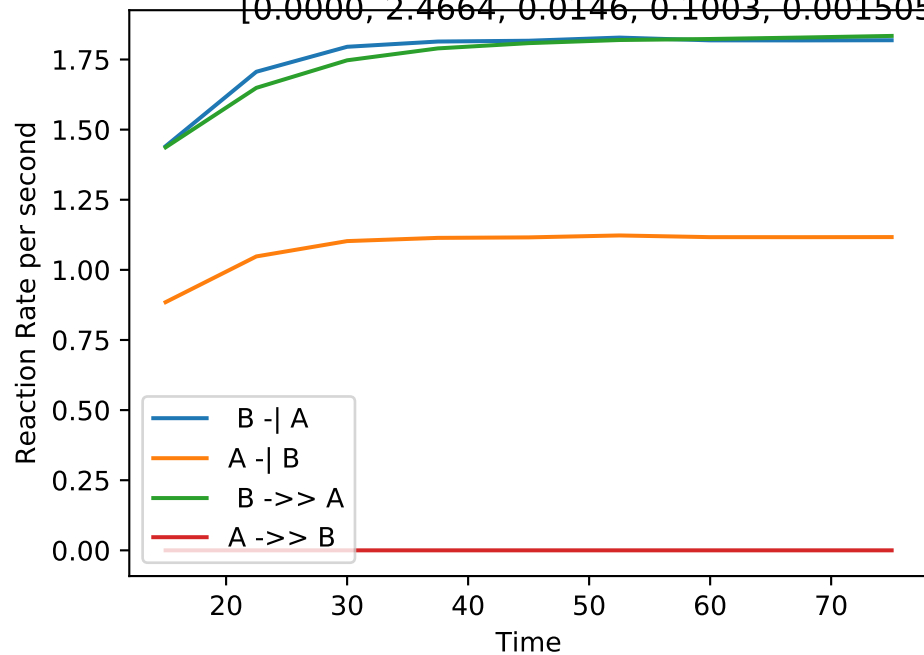
Single_up | MB-LLS Single_up(#346):

[0.0003, 2.5480, 0.0000, 0.0733, 0.0009504, 0.0009074, 0.0281, 0.0033, 0.0373, 0.0000]



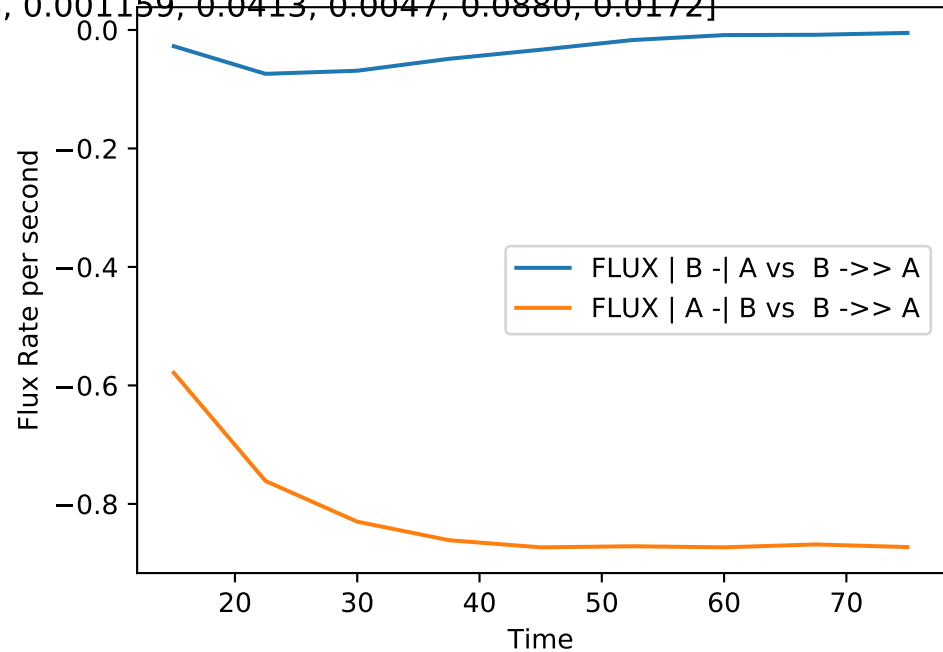
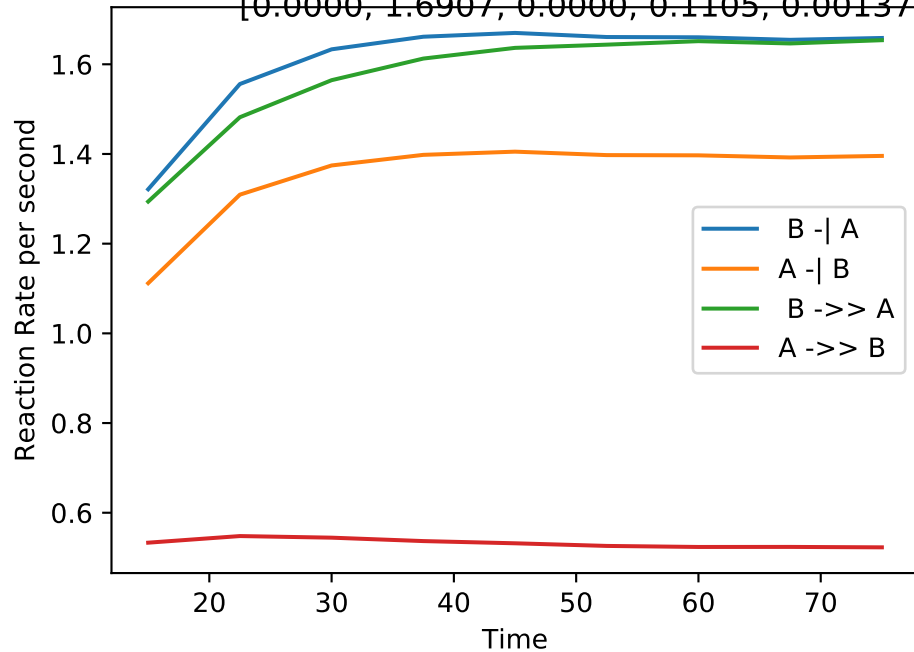
Single_up | MB-LLS Single_up(#347):

[0.0000, 2.4664, 0.0146, 0.1003, 0.001505, 0.000924, 0.0459, 0.0184, 0.0654, 0.0000]



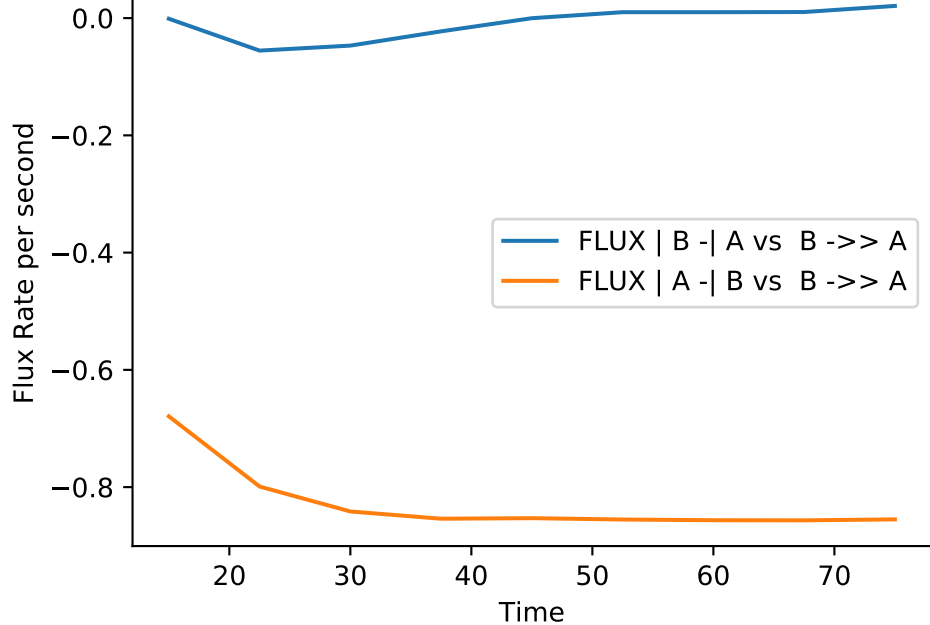
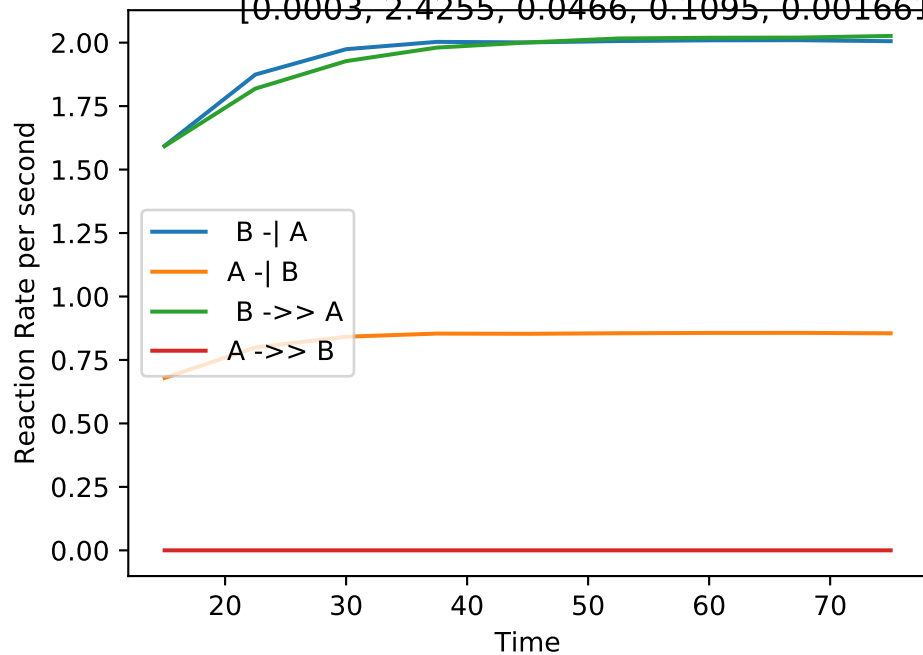
Single_up | MB-LLS Single_up(#348):

[0.0000, 1.6907, 0.0000, 0.1105, 0.001378, 0.001159, 0.0413, 0.0047, 0.0880, 0.0172]



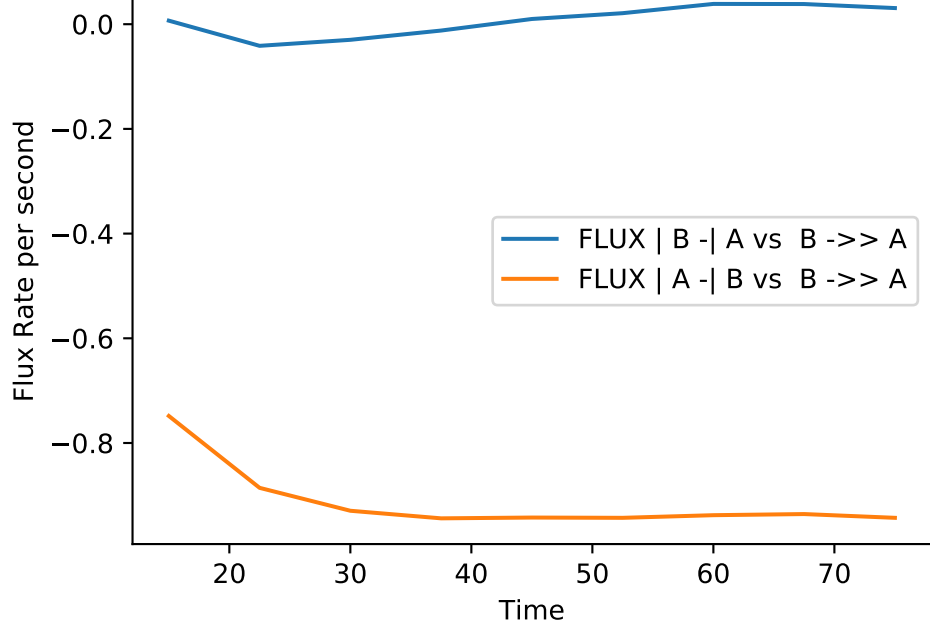
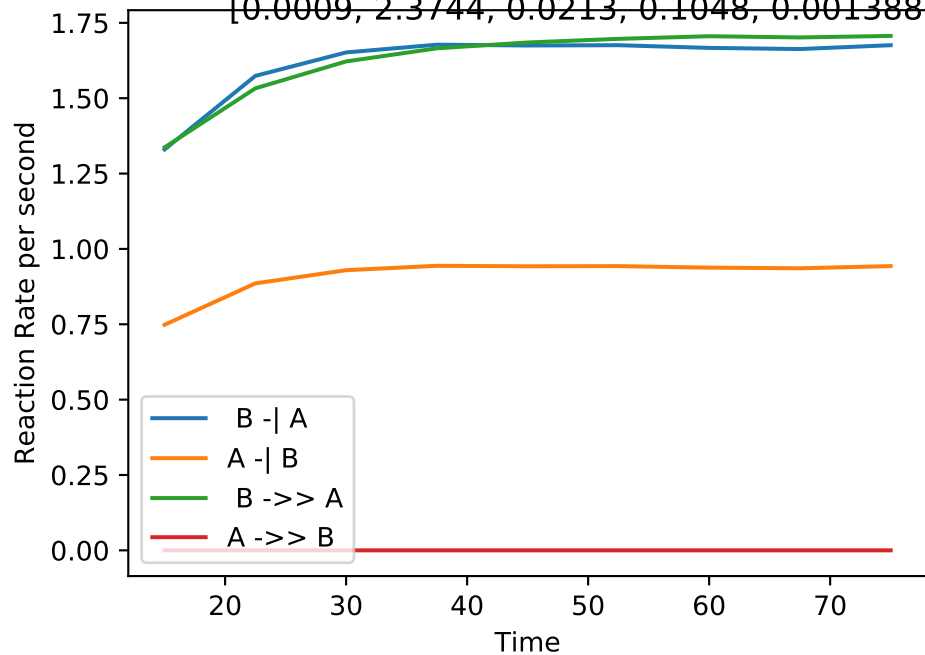
Single_up | MB-LLS Single_up(#349):

[0.0003, 2.4255, 0.0466, 0.1095, 0.001661, 0.000708, 0.0506, 0.0491, 0.0690, 0.0000]



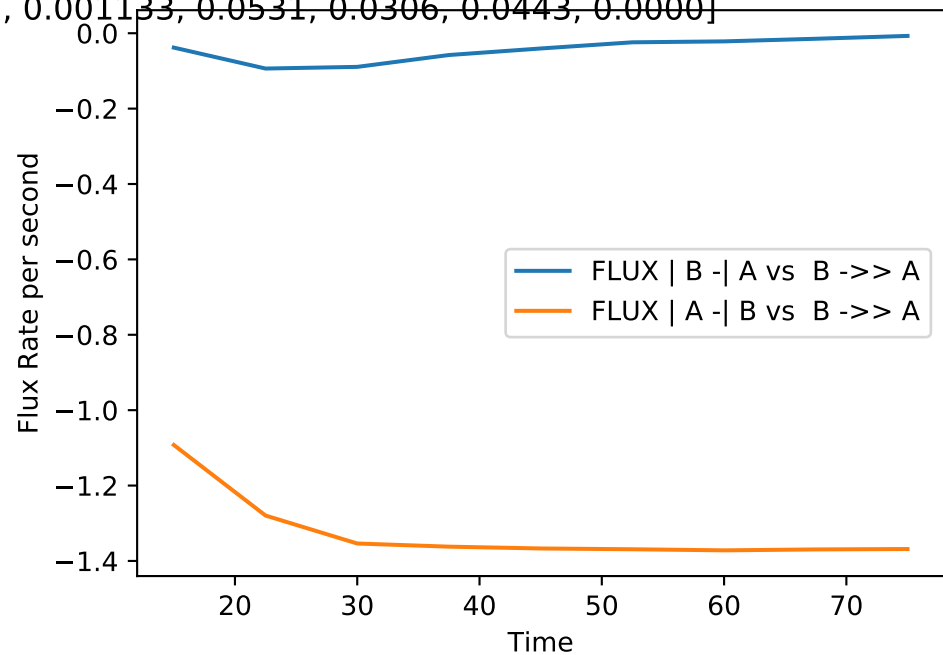
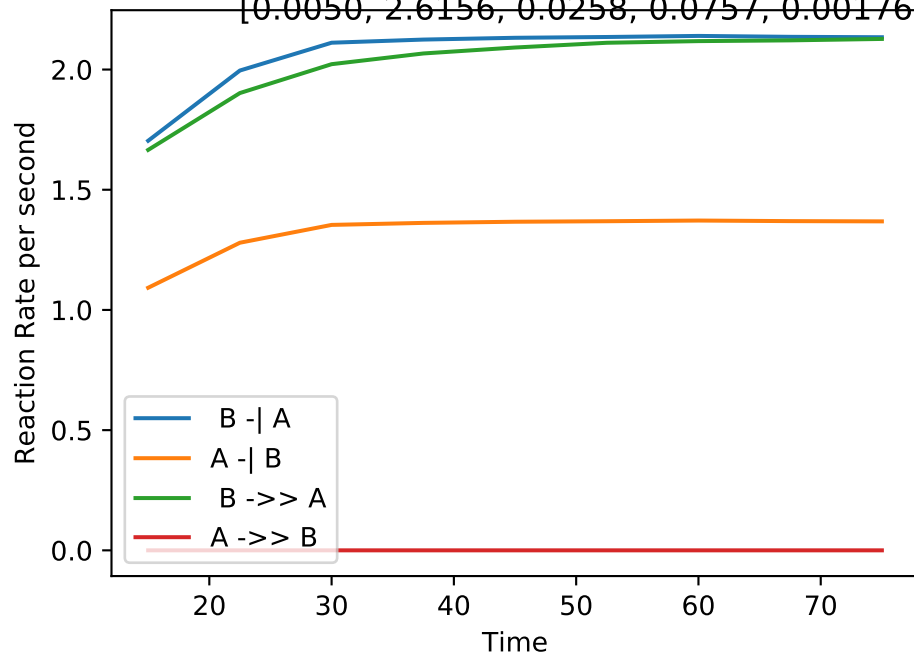
Single_up | MB-LLS Single_up(#350):

[0.0009, 2.3744, 0.0213, 0.1048, 0.001388, 0.0007812, 0.0427, 0.0239, 0.0677, 0.0000]



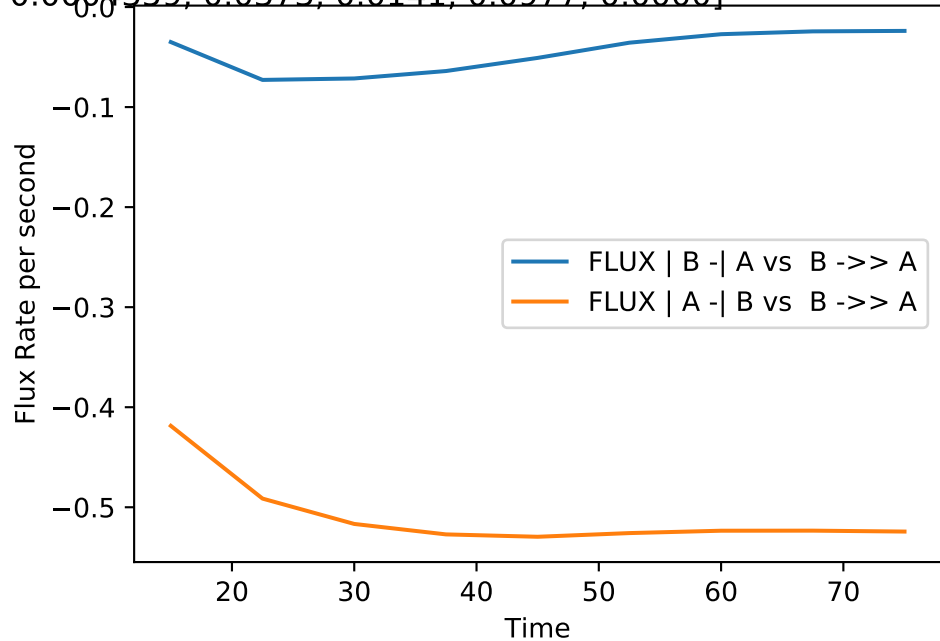
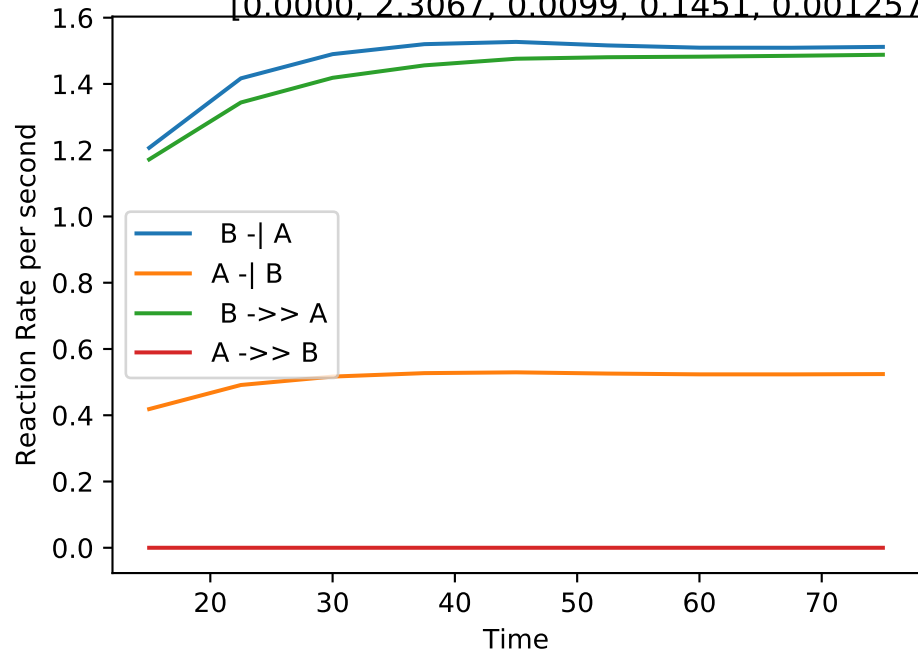
Single_up | MB-LLS Single_up(#351):

[0.0050, 2.6156, 0.0258, 0.0757, 0.001767, 0.001133, 0.0531, 0.0306, 0.0443, 0.0000]



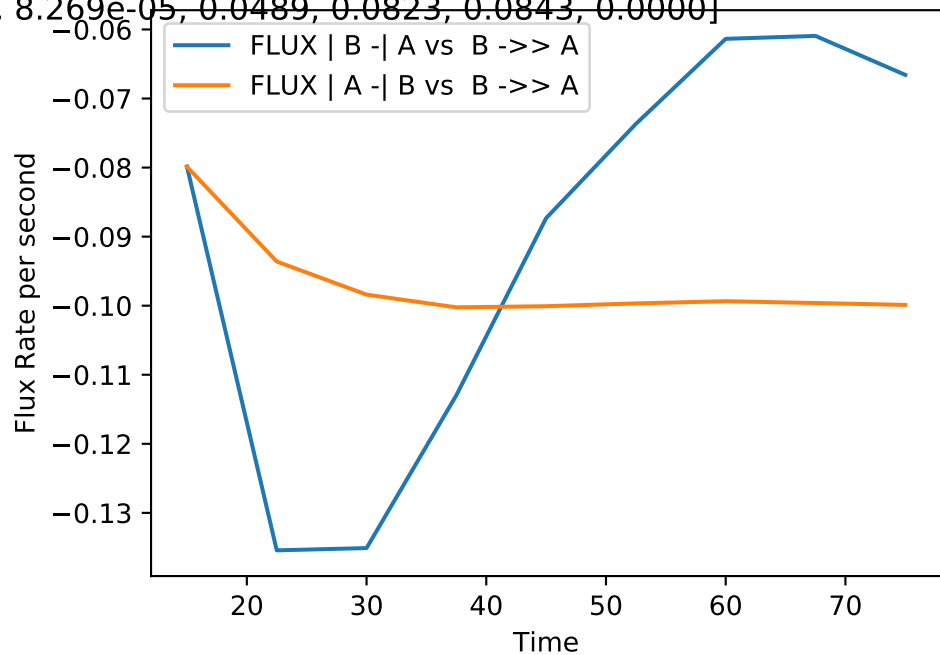
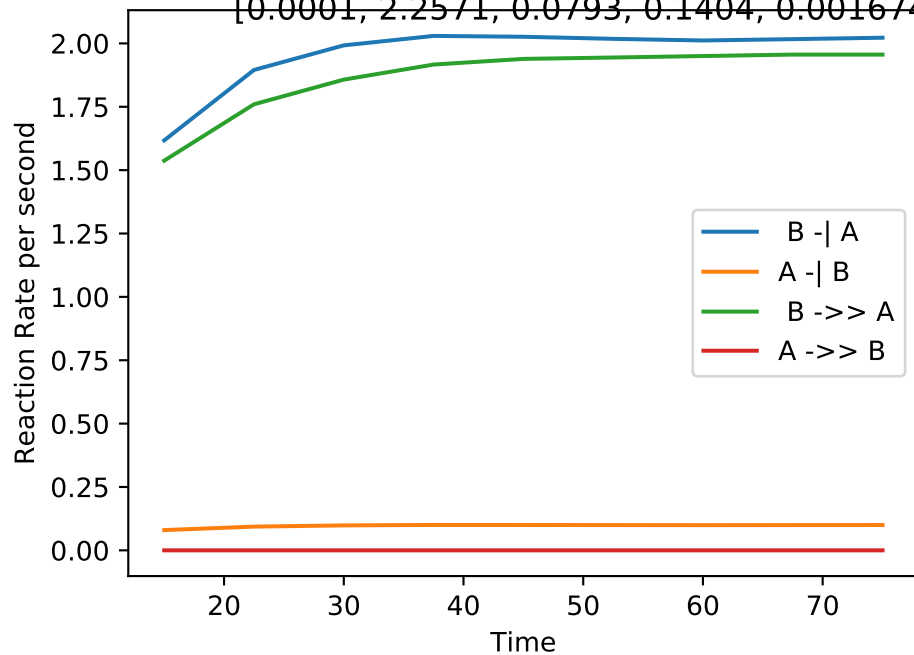
Single_up | MB-LLS Single_up(#352):

[0.0000, 2.3067, 0.0099, 0.1451, 0.001257, 0.0004359, 0.0373, 0.0141, 0.0977, 0.0000]



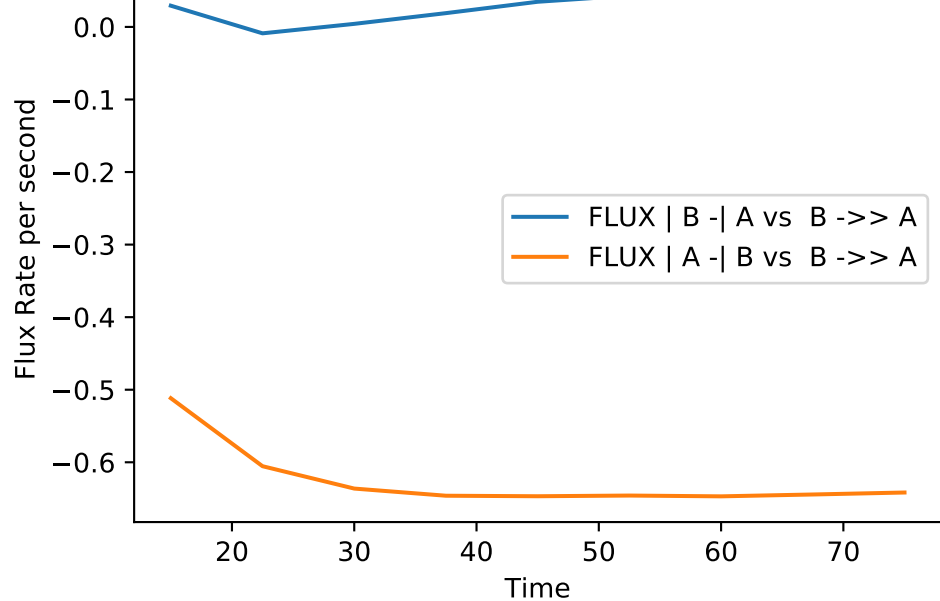
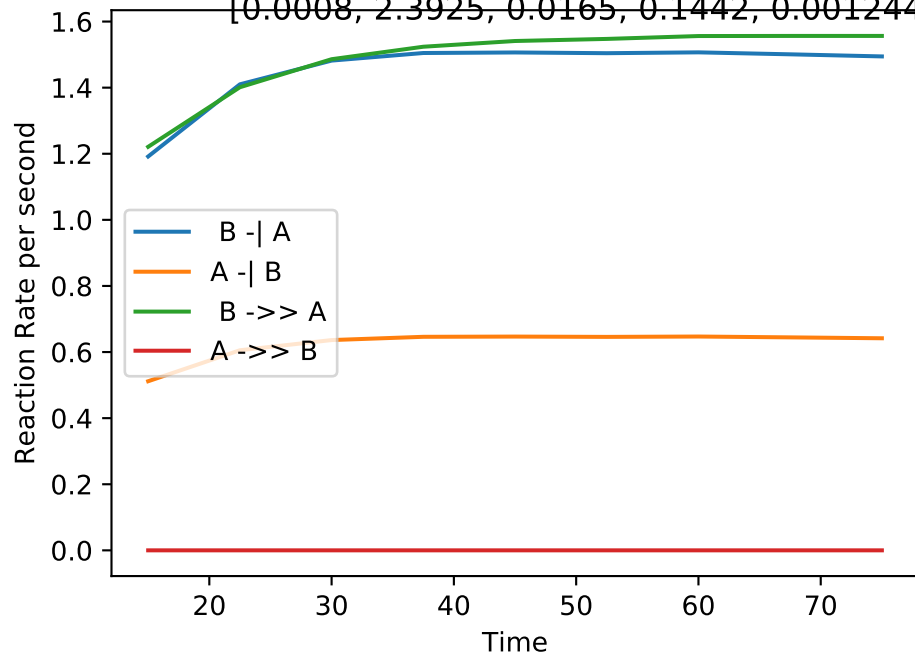
Single_up | MB-LLS Single_up(#353):

[0.0001, 2.2571, 0.0793, 0.1404, 0.001674, 8.269e-05, 0.0489, 0.0823, 0.0843, 0.0000]



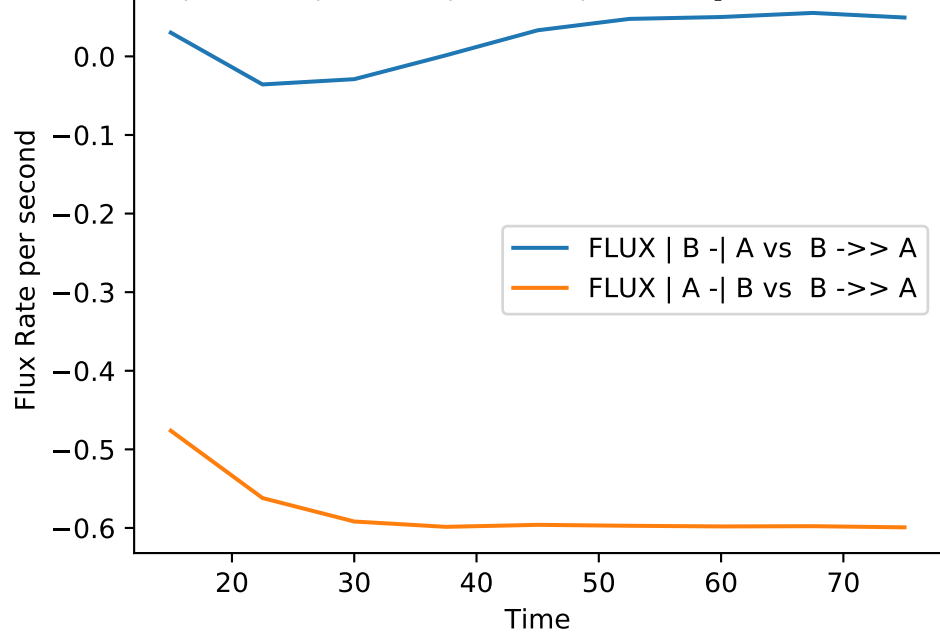
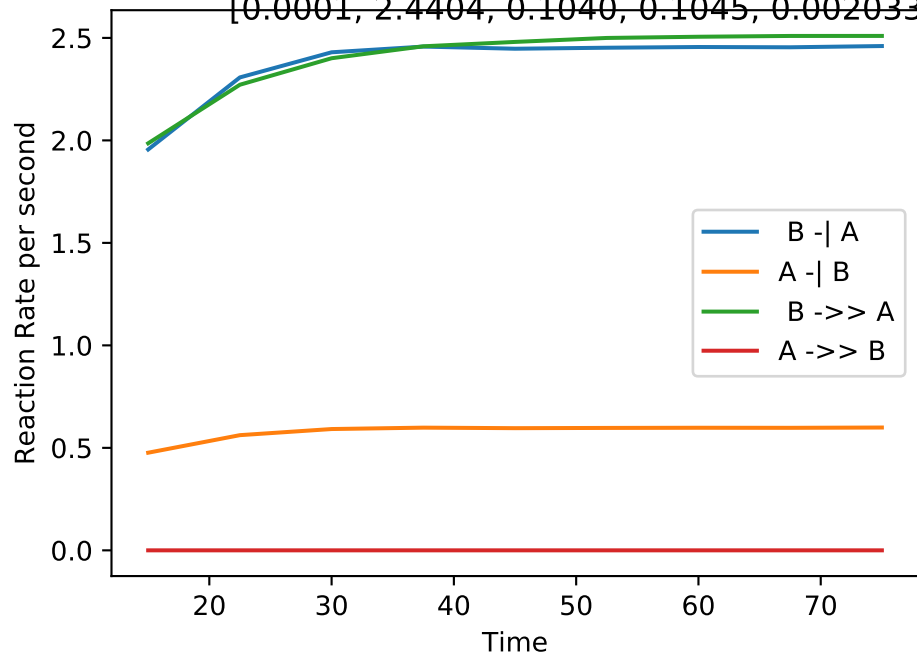
Single_up | MB-LLS Single_up(#354):

[0.0008, 2.3925, 0.0165, 0.1442, 0.001244, 0.0005341, 0.0389, 0.0182, 0.0978, 0.0000]



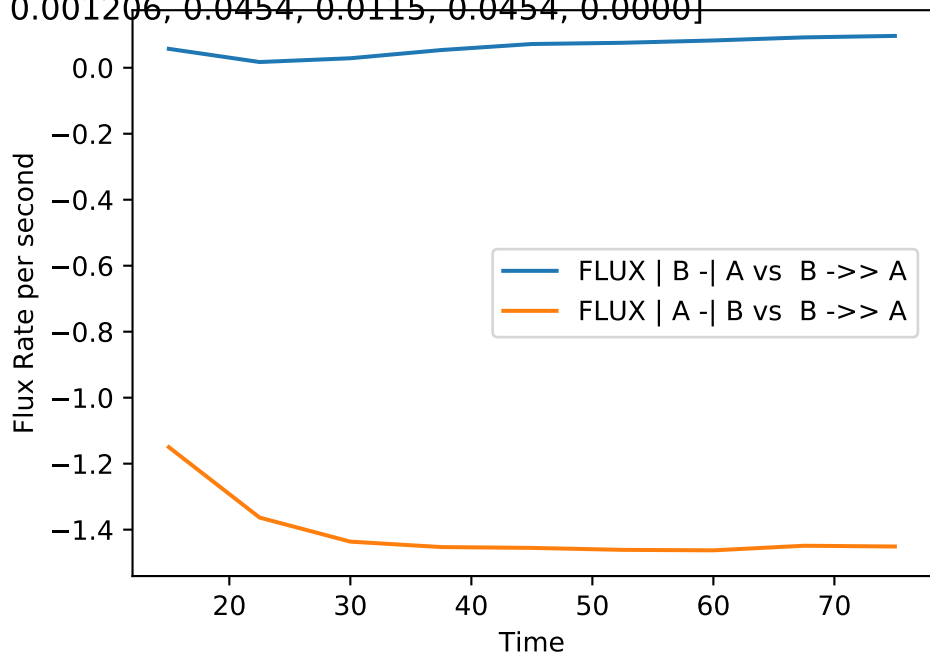
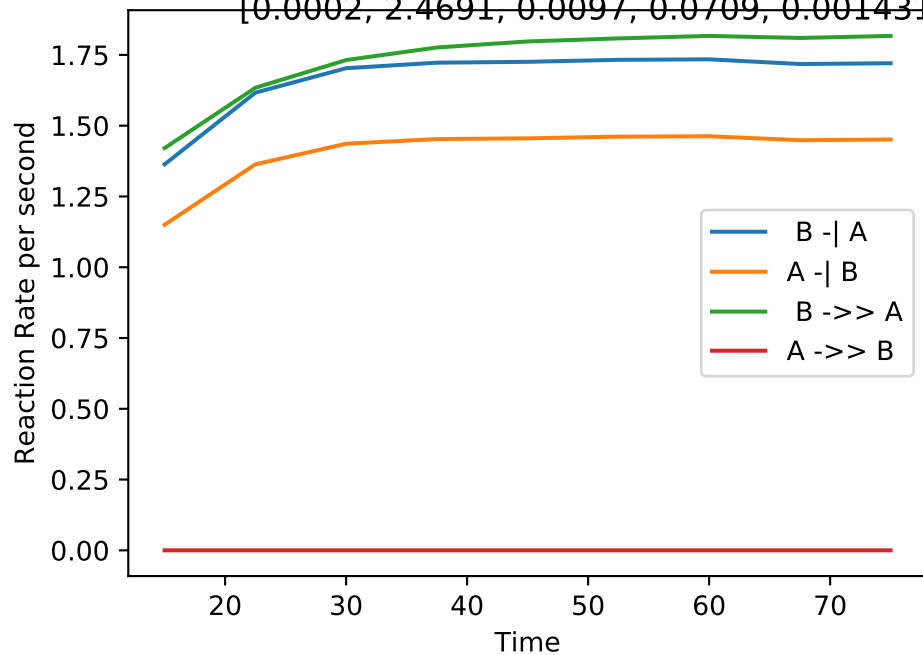
Single_up | MB-LLS Single_up(#355):

[0.0001, 2.4404, 0.1040, 0.1045, 0.002033, 0.0004951, 0.0628, 0.1039, 0.0575, 0.0000]



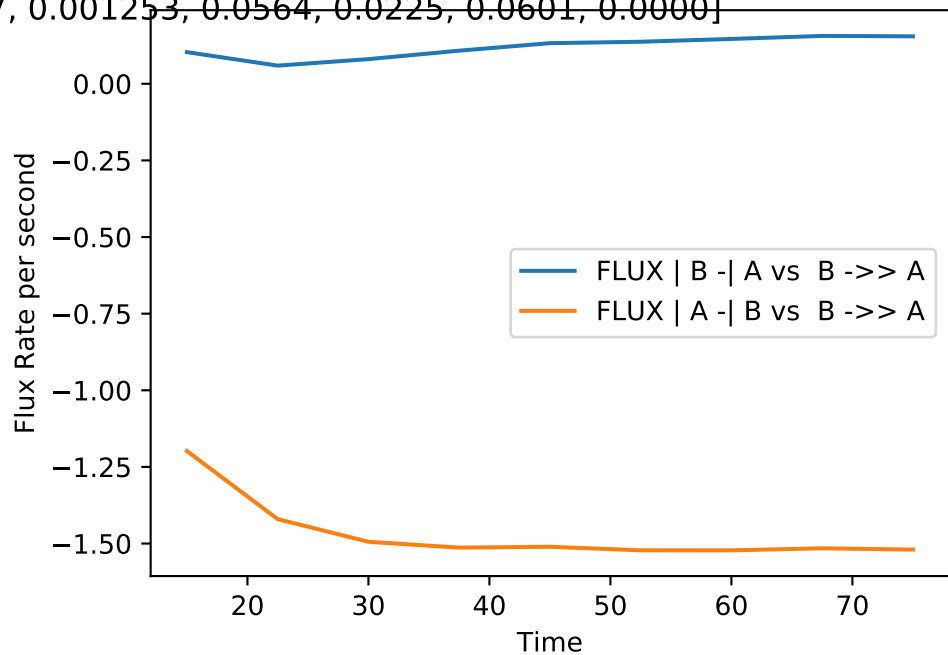
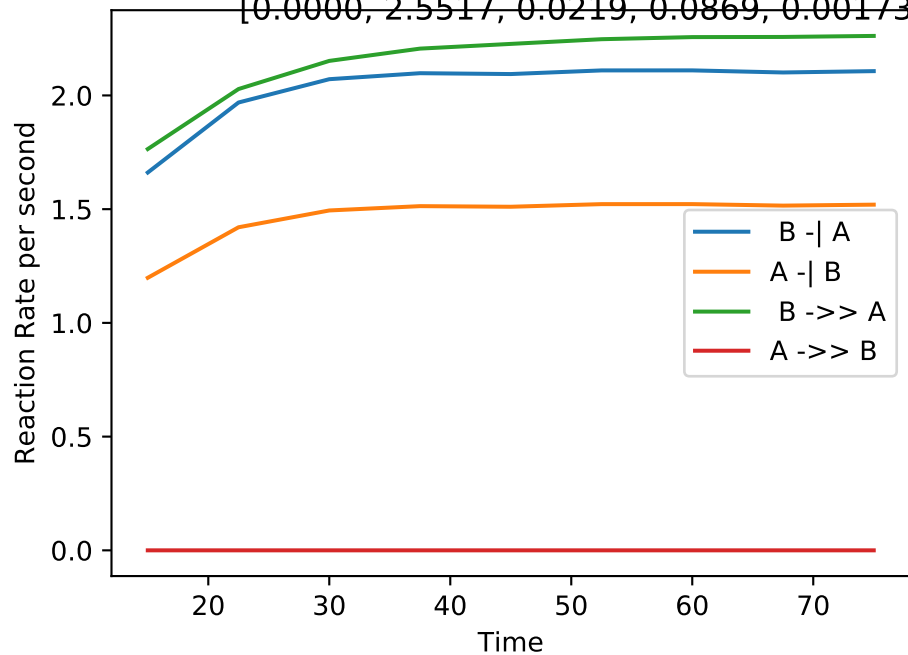
Single_up | MB-LLS Single_up(#356):

[0.0002, 2.4691, 0.0097, 0.0709, 0.001431, 0.001206, 0.0454, 0.0115, 0.0454, 0.0000]



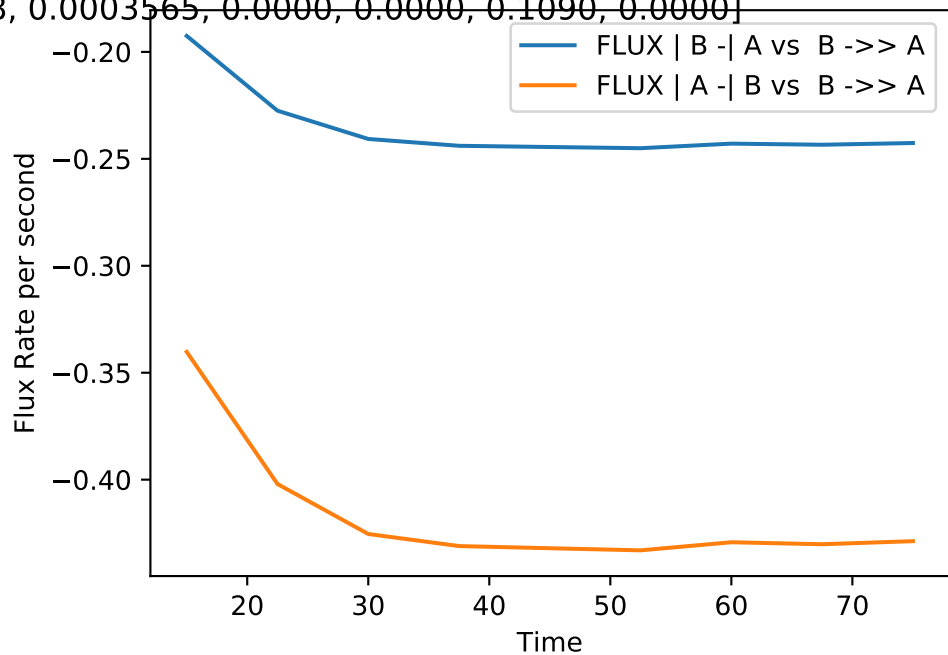
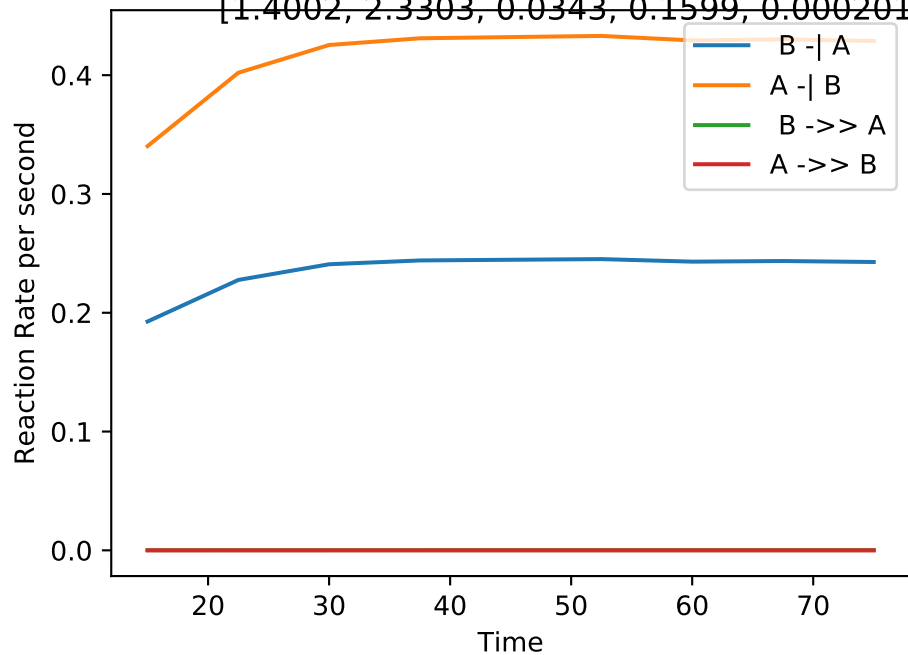
Single_up | MB-LLS Single_up(#357):

[0.0000, 2.5517, 0.0219, 0.0869, 0.001737, 0.001253, 0.0564, 0.0225, 0.0601, 0.0000]



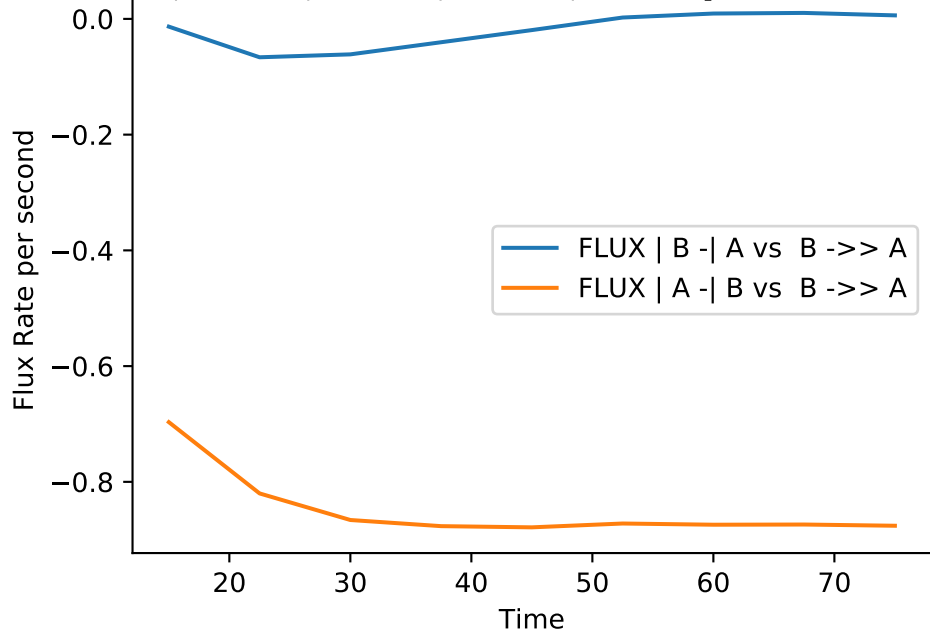
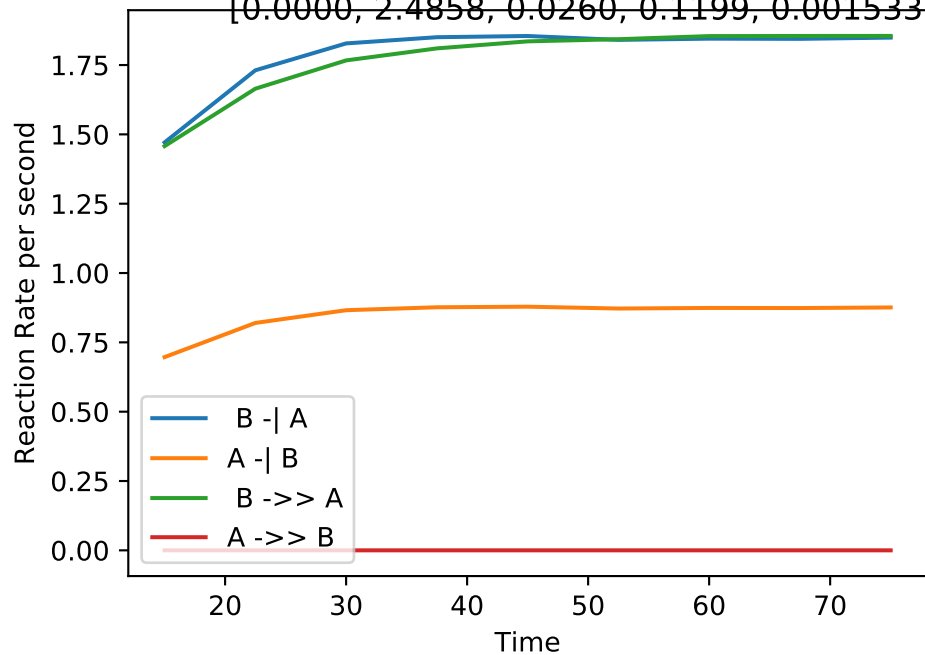
Single_up | MB-LLS Single_up(#358):

[1.4002, 2.3303, 0.0343, 0.1599, 0.0002018, 0.0003565, 0.0000, 0.0000, 0.1090, 0.0000]



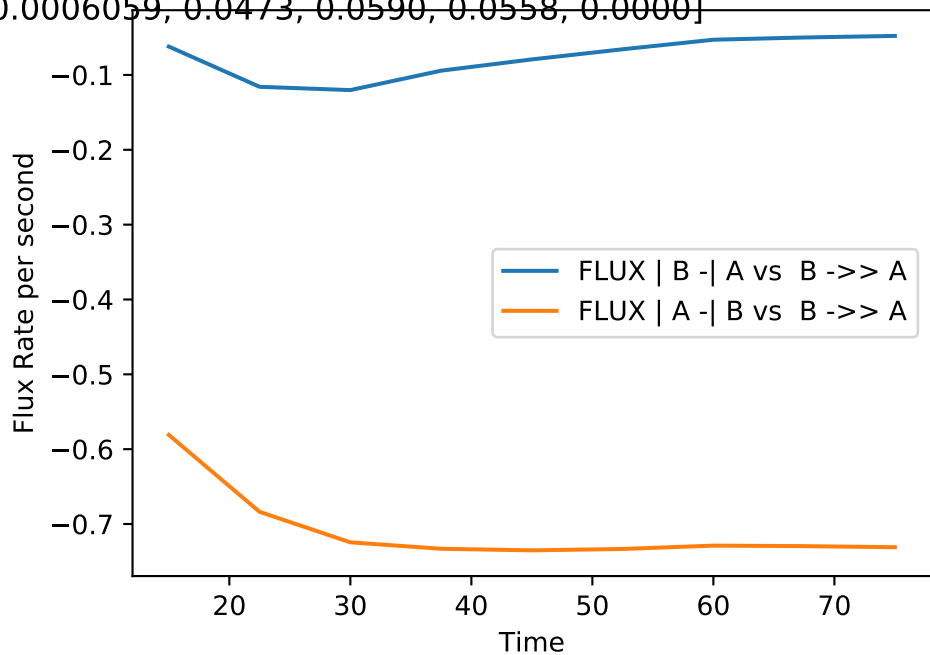
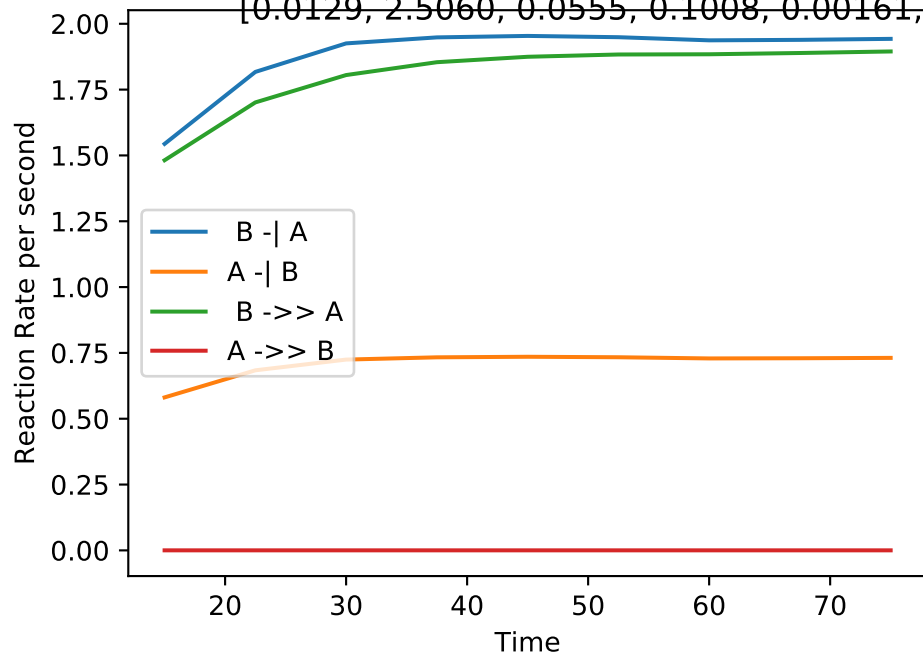
Single_up | MB-LLS Single_up(#359):

[0.0000, 2.4858, 0.0260, 0.1199, 0.001533, 0.0007264, 0.0464, 0.0295, 0.0779, 0.0000]



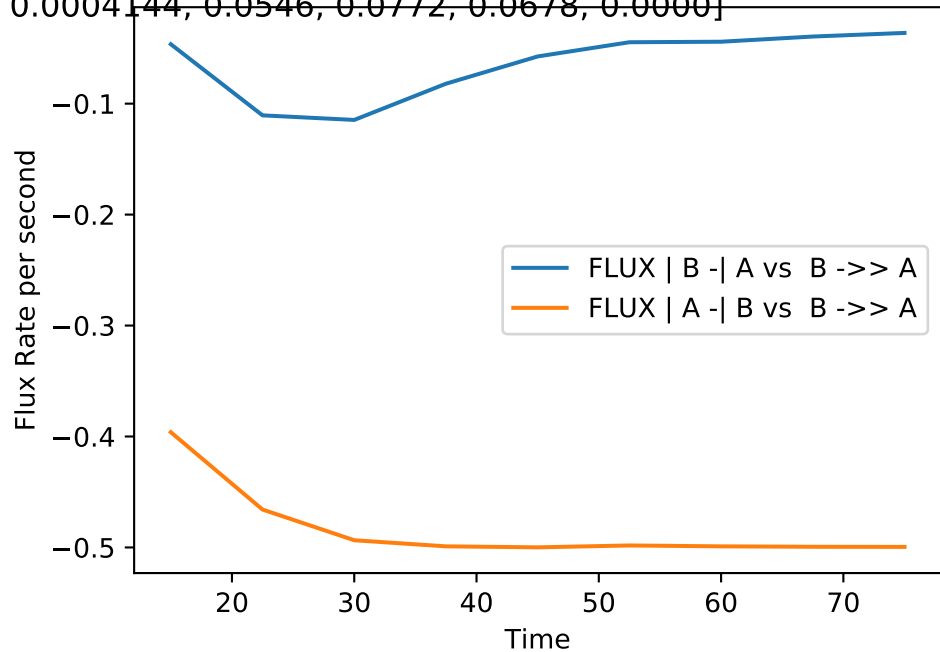
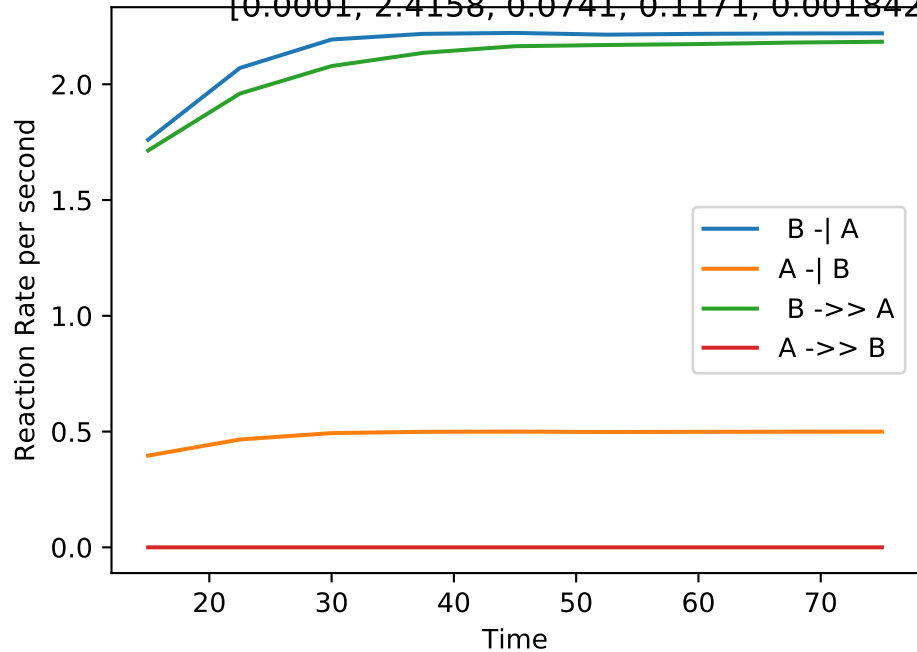
Single_up | MB-LLS Single_up(#360):

[0.0129, 2.5060, 0.0555, 0.1008, 0.00161, 0.0006059, 0.0473, 0.0590, 0.0558, 0.0000]



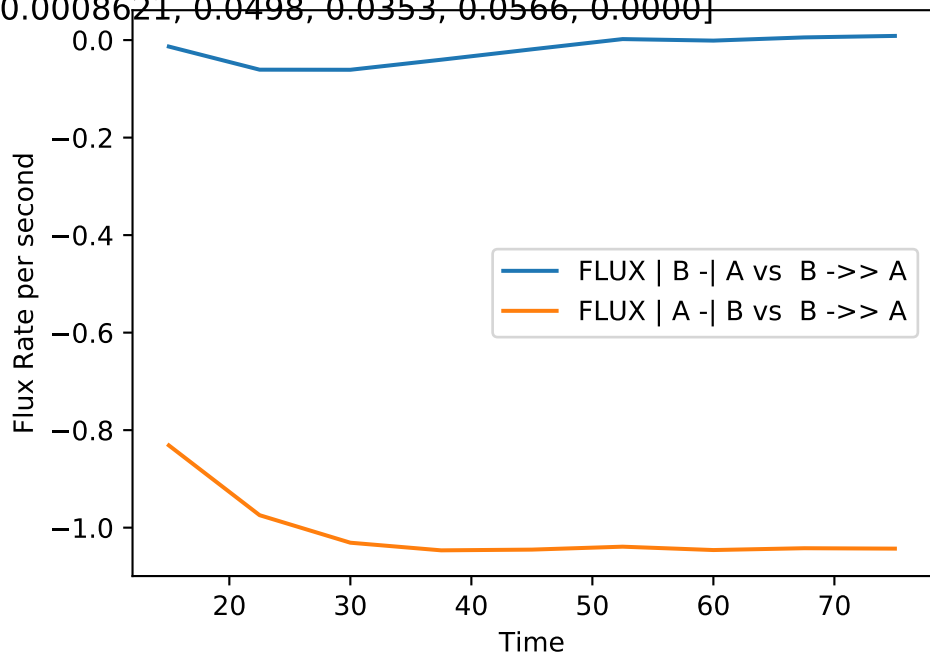
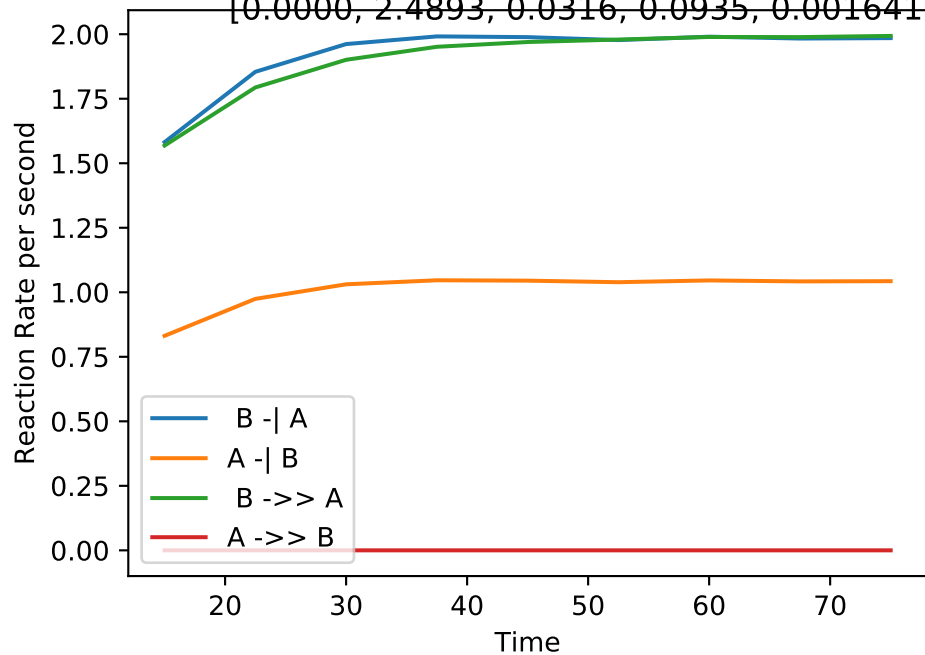
Single_up | MB-LLS Single_up(#361):

[0.0001, 2.4158, 0.0741, 0.1171, 0.001842, 0.0004144, 0.0546, 0.0772, 0.0678, 0.0000]



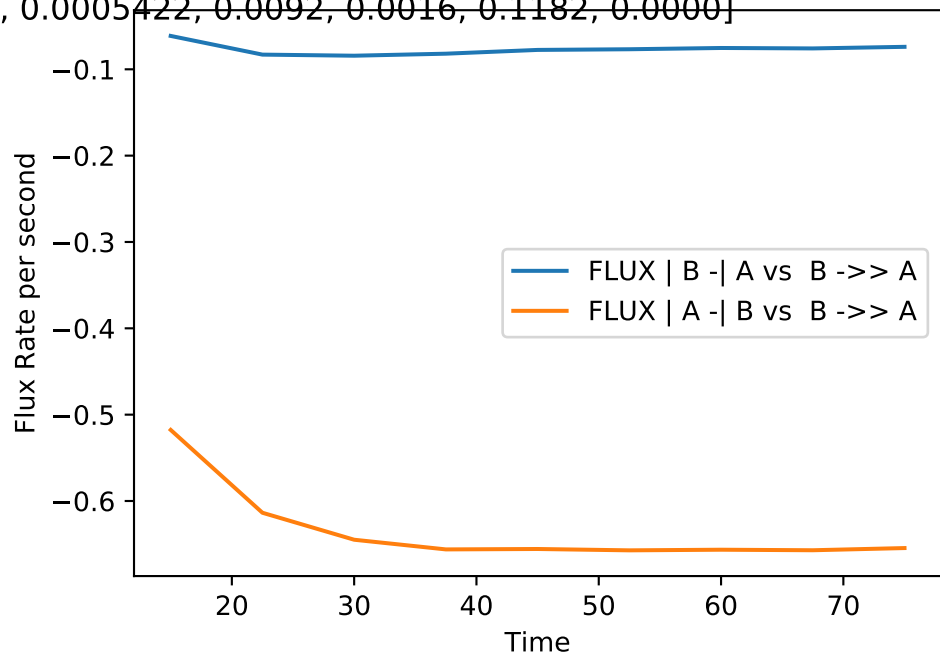
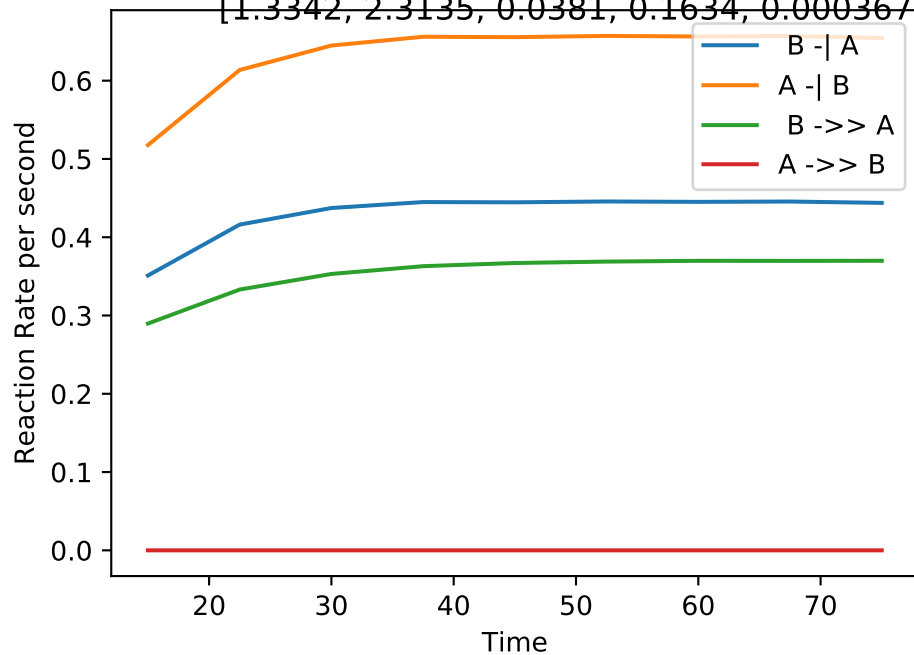
Single_up | MB-LLS Single_up(#362):

[0.0000, 2.4893, 0.0316, 0.0935, 0.001641, 0.0008621, 0.0498, 0.0353, 0.0566, 0.0000]



Single_up | MB-LLS Single_up(#363):

[1.3342, 2.3135, 0.0381, 0.1634, 0.0003677, 0.0005422, 0.0092, 0.0016, 0.1182, 0.0000]



Single_up | MB-LLS Single_up(#364):

[0.0009, 2.3690, 0.0569, 0.0769, 0.001764, 0.0008718, 0.0542, 0.0588, 0.0437, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

B -| A
A -| B
B ->> A
A ->> B

20 30 40 50 60 70

Time

Flux Rate per second

0.0
-0.2
-0.4
-0.6
-0.8
-1.0

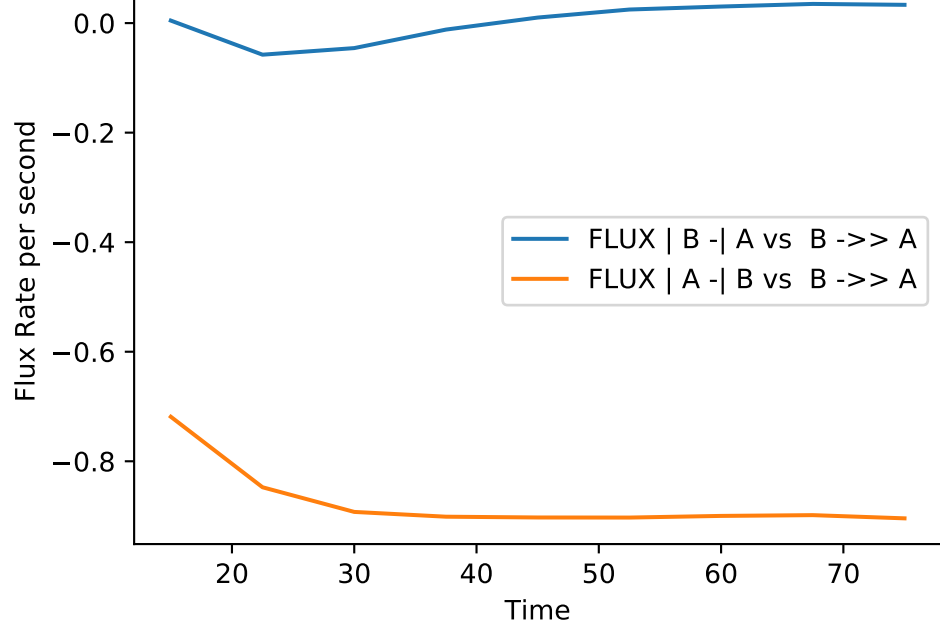
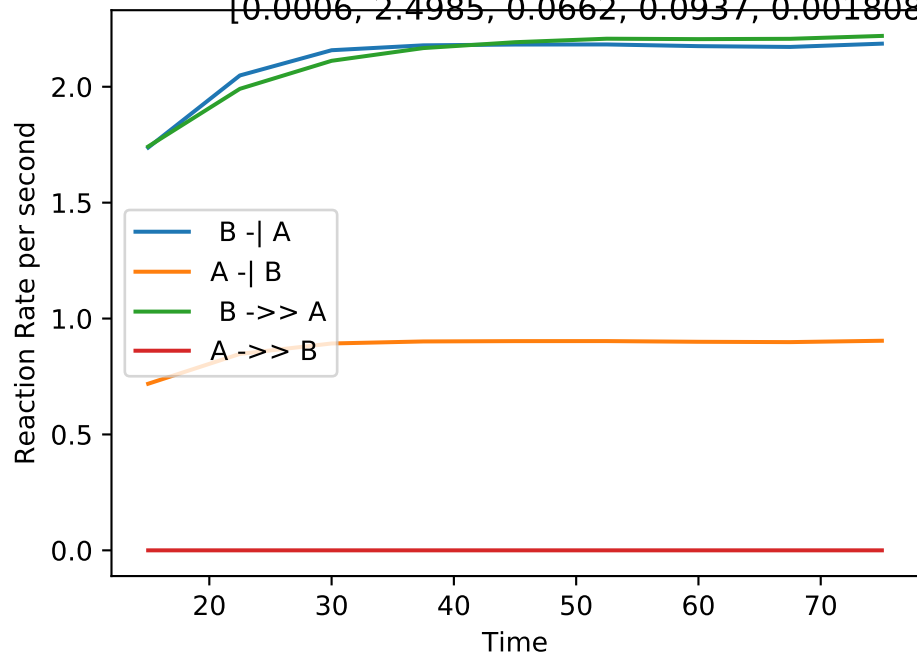
FLUX | B -| A vs B ->> A
FLUX | A -| B vs B ->> A

20 30 40 50 60 70

Time

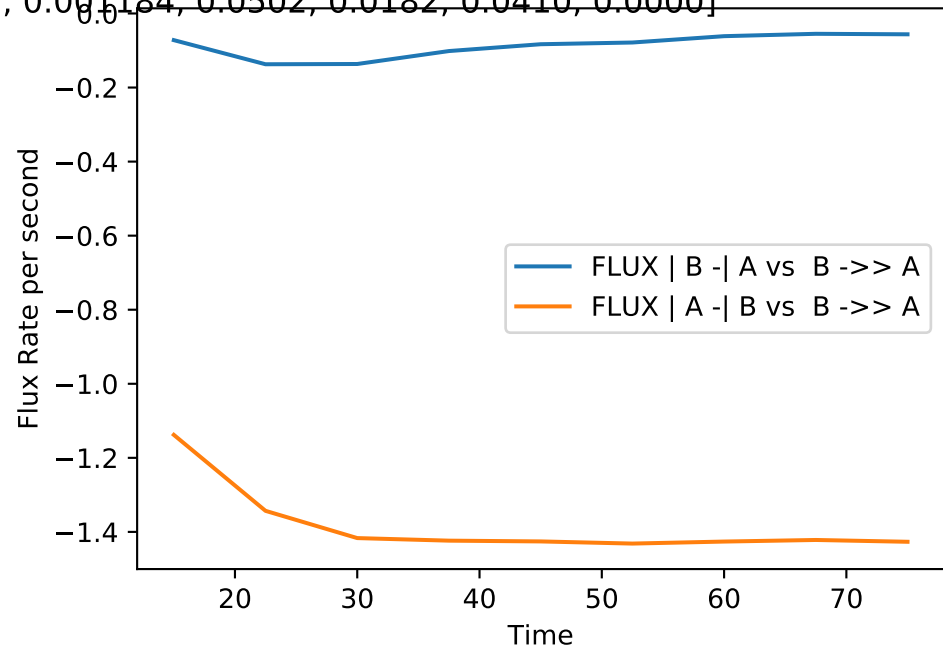
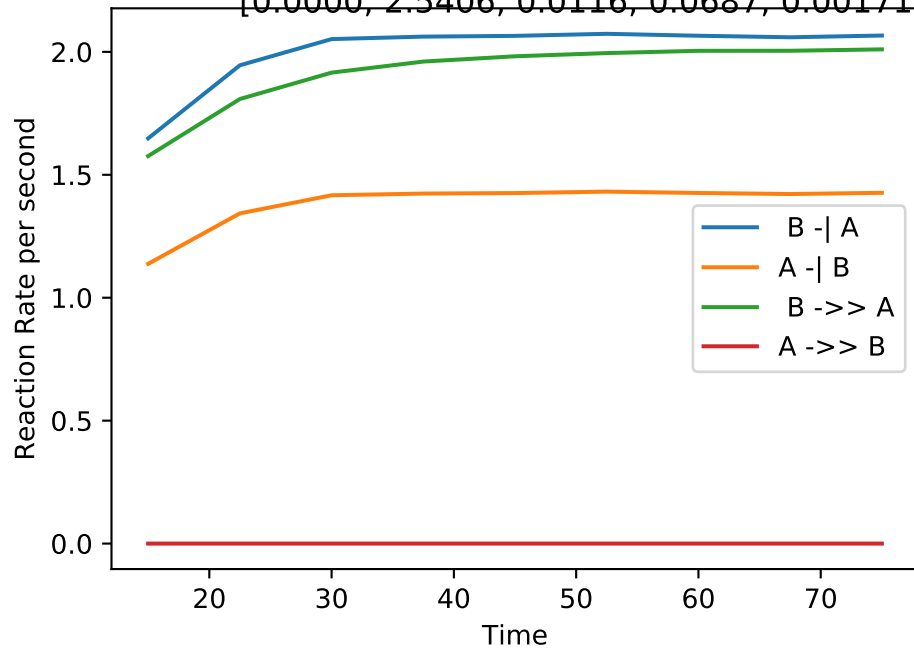
Single_up | MB-LLS Single_up(#365):

[0.0006, 2.4985, 0.0662, 0.0937, 0.001808, 0.0007478, 0.0554, 0.0678, 0.0532, 0.0000]



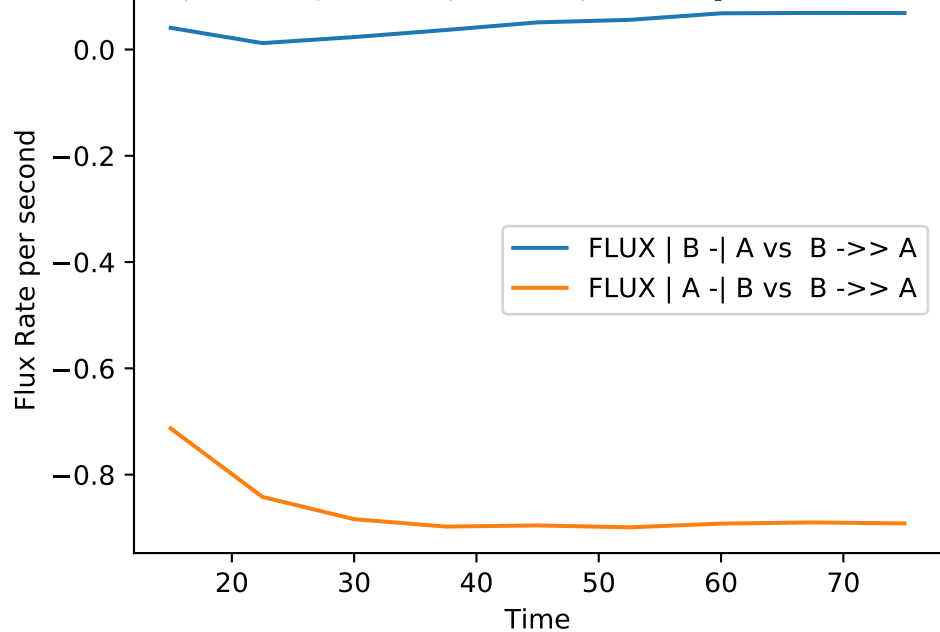
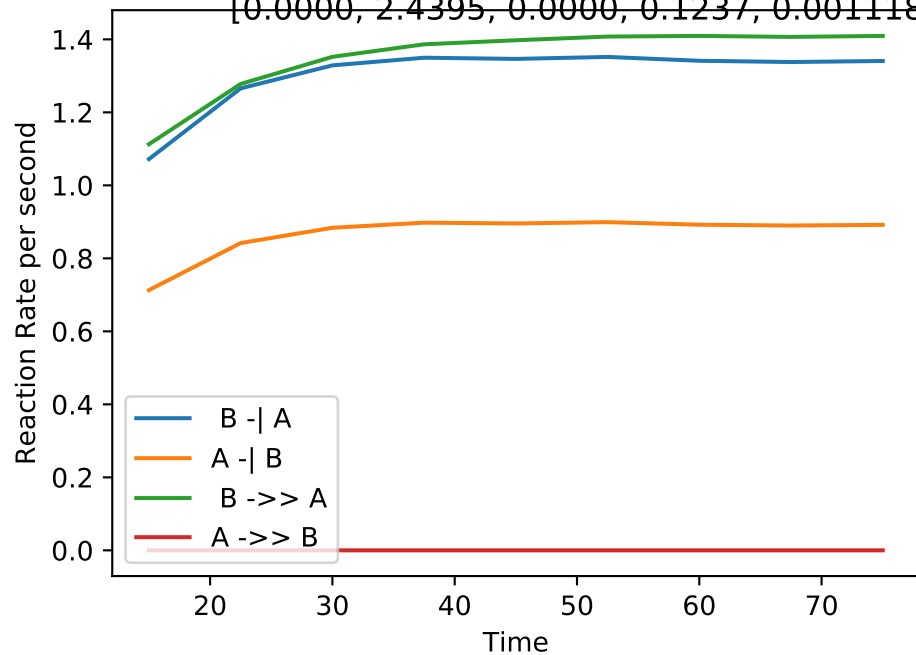
Single_up | MB-LLS Single_up(#366):

[0.0000, 2.5406, 0.0116, 0.0687, 0.001715, 0.001184, 0.0502, 0.0182, 0.0410, 0.0000]



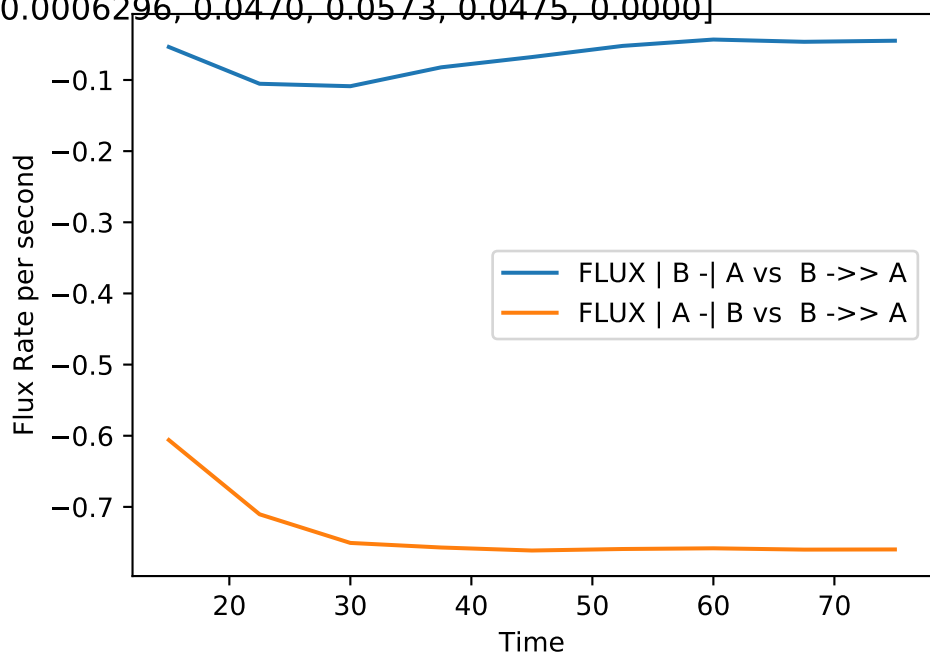
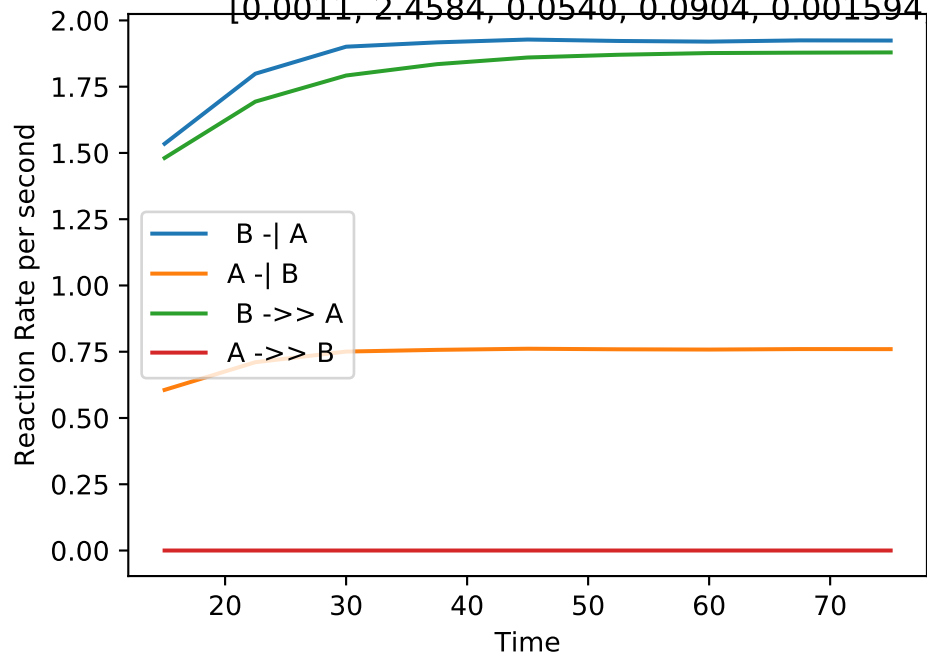
Single_up | MB-LLS Single_up(#367):

[0.0000, 2.4395, 0.0000, 0.1237, 0.001118, 0.0007437, 0.0354, 0.0017, 0.0830, 0.0000]



Single_up | MB-LLS Single_up(#368):

[0.0011, 2.4584, 0.0540, 0.0904, 0.001594, 0.0006296, 0.0470, 0.0573, 0.0475, 0.0000]



Single_up | MB-LLS Single_up(#369):

[0.1818, 2.2780, 0.0859, 0.1086, 0.00172, 0.0004311, 0.0511, 0.0828, 0.0637, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

20

30

40

50

60

70

Time



Flux Rate per second

-0.1
-0.2
-0.3
-0.4
-0.5

20

30

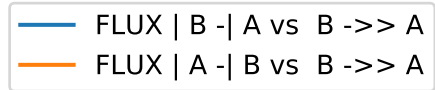
40

50

60

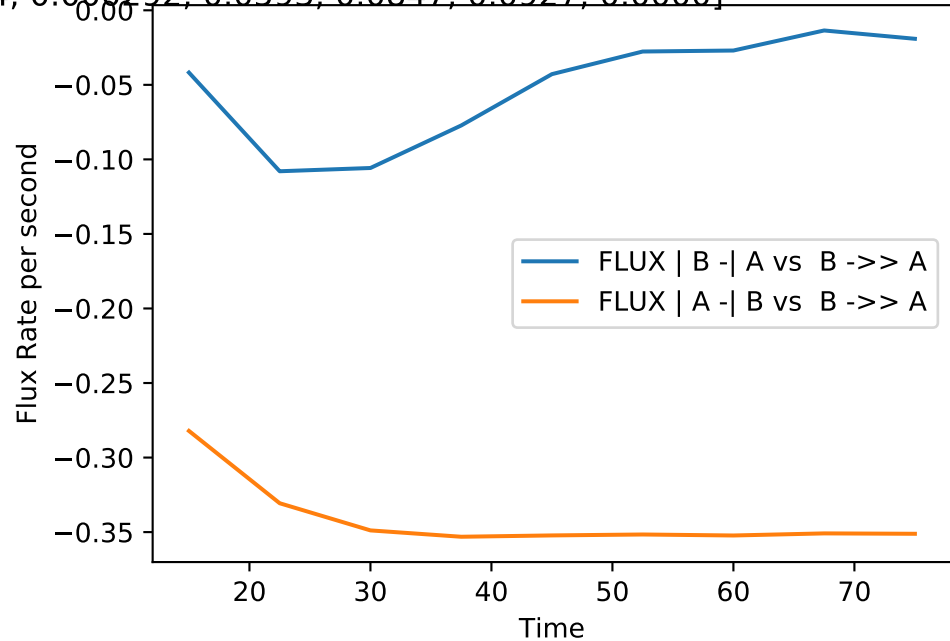
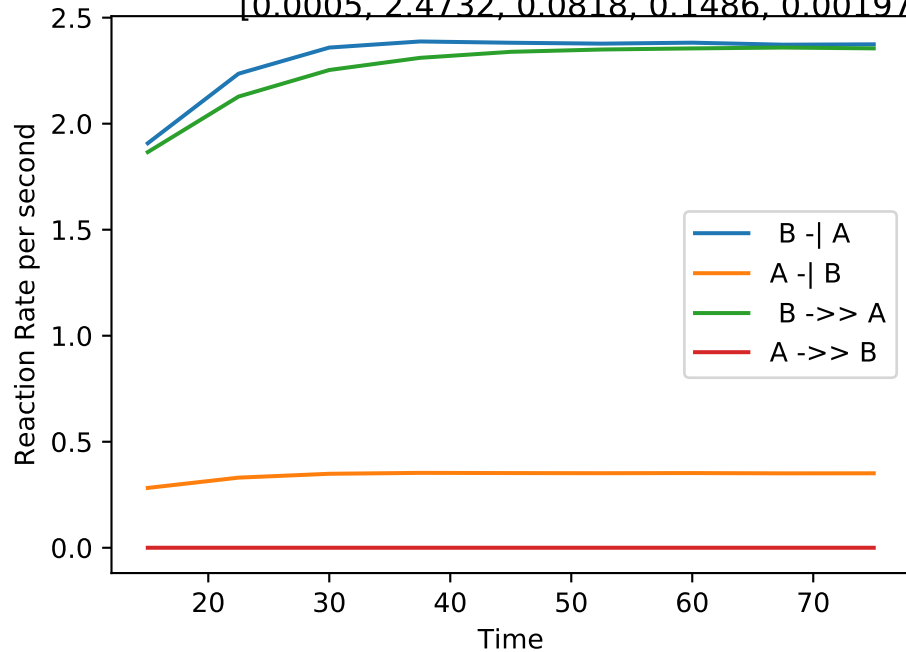
70

Time



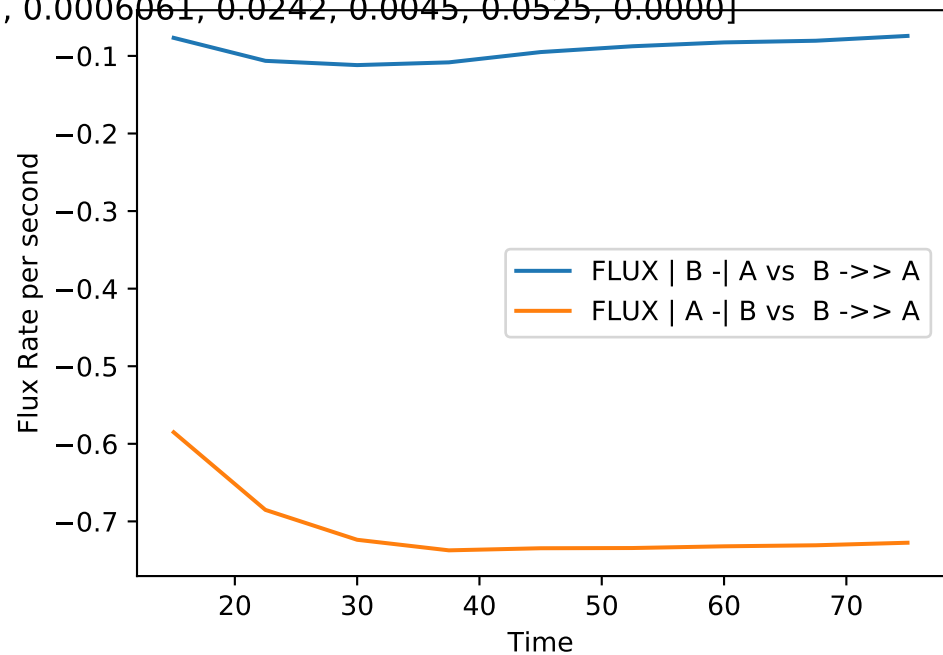
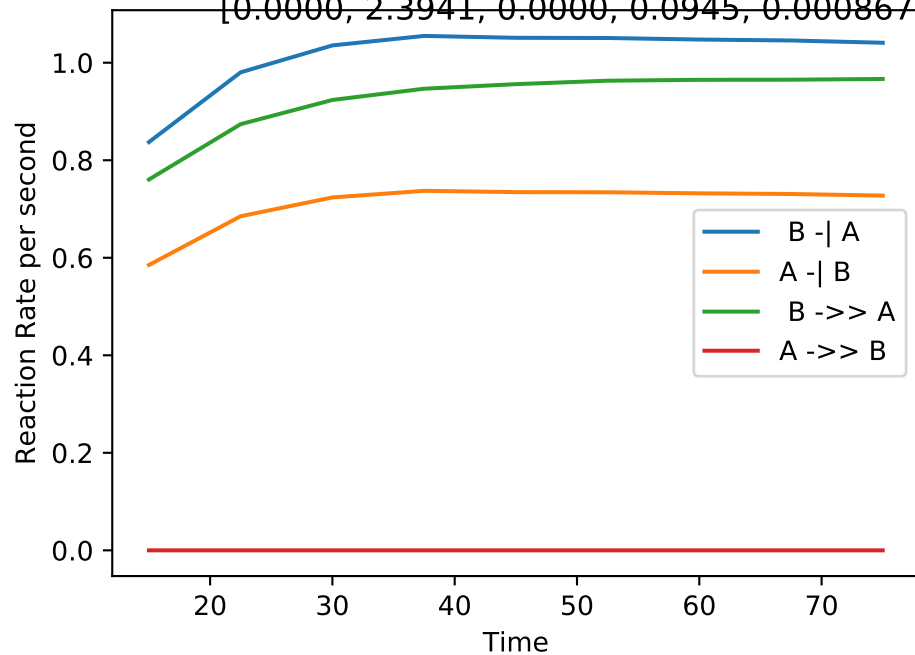
Single_up | MB-LLS Single_up(#370):

[0.0005, 2.4732, 0.0818, 0.1486, 0.001974, 0.000292, 0.0593, 0.0847, 0.0927, 0.0000]



Single_up | MB-LLS Single_up(#371):

[0.0000, 2.3941, 0.0000, 0.0945, 0.0008672, 0.0006061, 0.0242, 0.0045, 0.0525, 0.0000]



Single_up | MB-LLS Single_up(#372):

[0.0000, 2.4398, 0.0116, 0.1224, 0.001687, 0.0008144, 0.0507, 0.0168, 0.0840, 0.0000]

Reaction Rate per second

2.0
1.5
1.0
0.5
0.0

— B -| A
— A -| B
— B ->> A
— A ->> B

Time

Flux Rate per second

0.0
-0.2
-0.4
-0.6
-0.8
-1.0

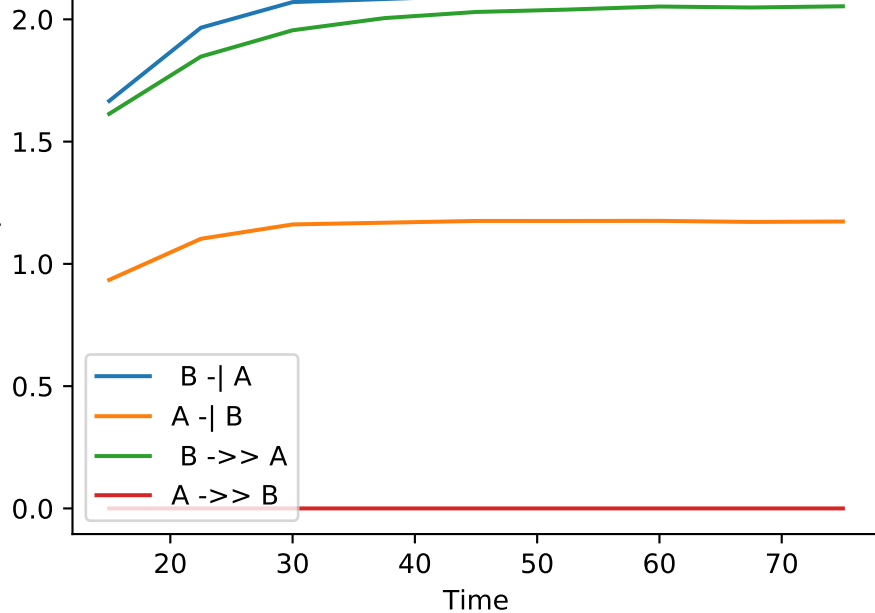
— FLUX | B -| A vs B ->> A
— FLUX | A -| B vs B ->> A

Time

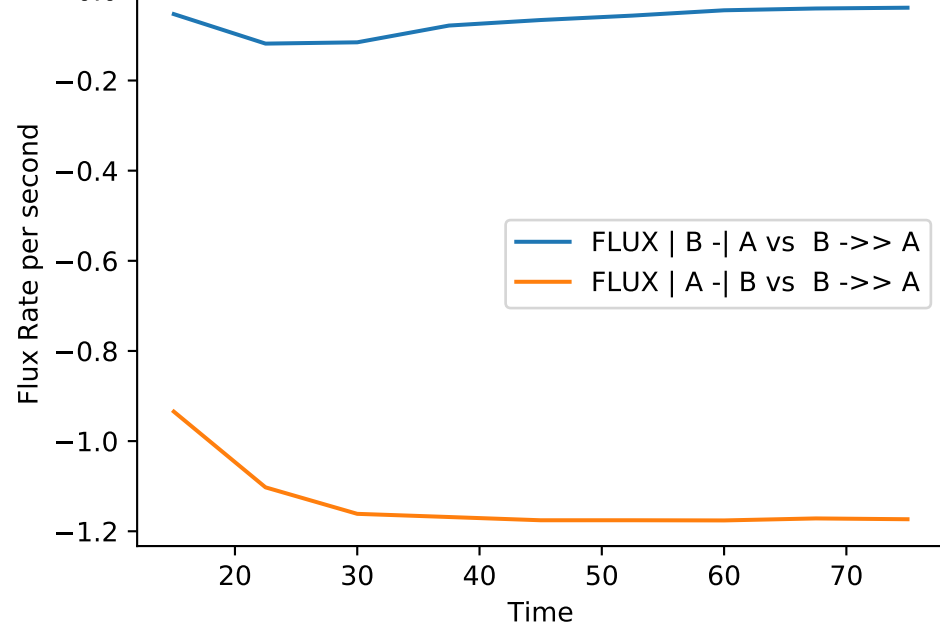
Single_up | MB-LLS Single_up(#373):

[0.0000, 2.4230, 0.0233, 0.0848, 0.00173, 0.0009703, 0.0513, 0.0288, 0.0532, 0.0000]

Reaction Rate per second

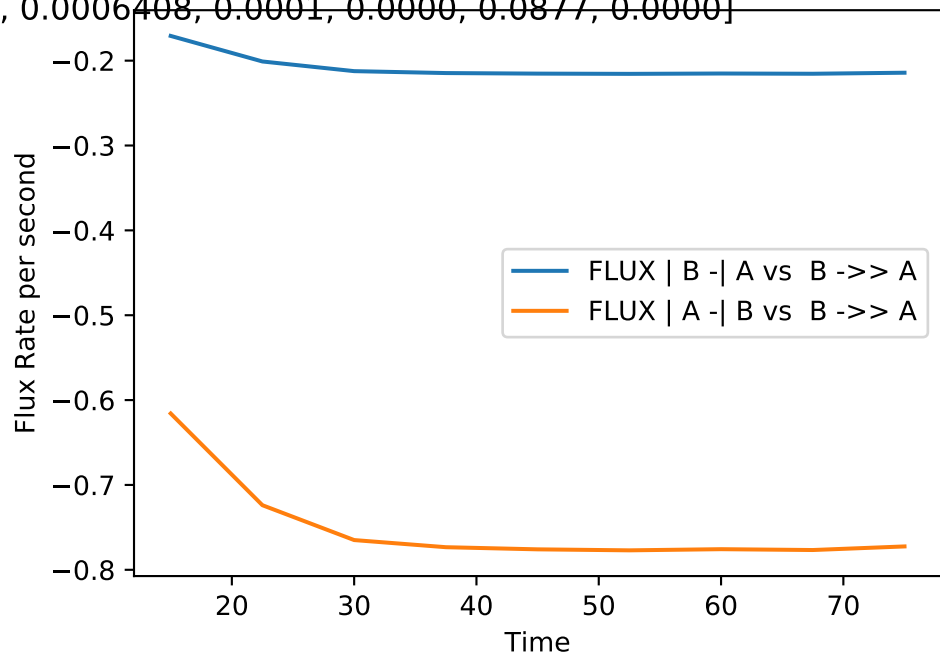
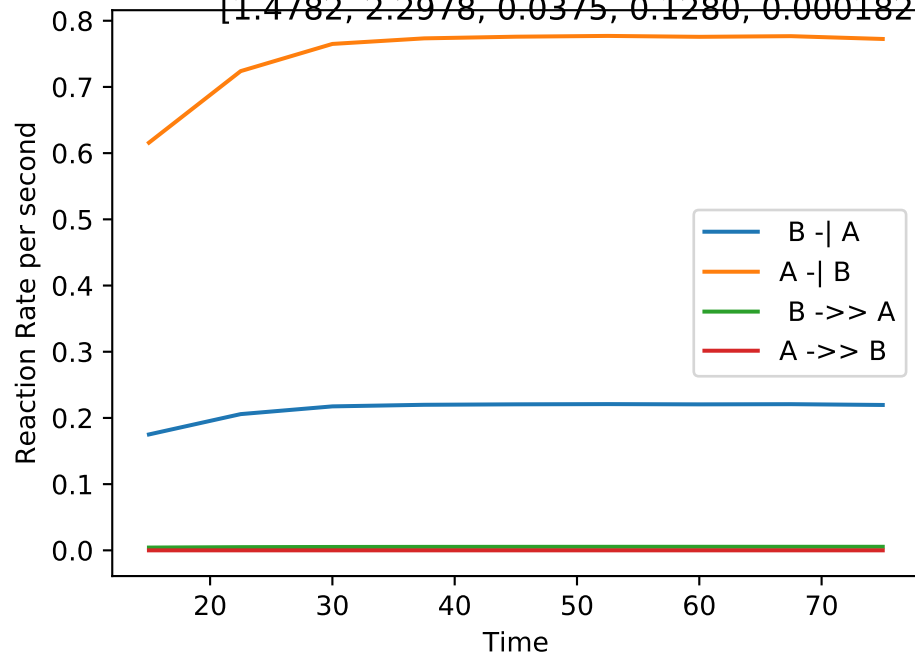


Flux Rate per second



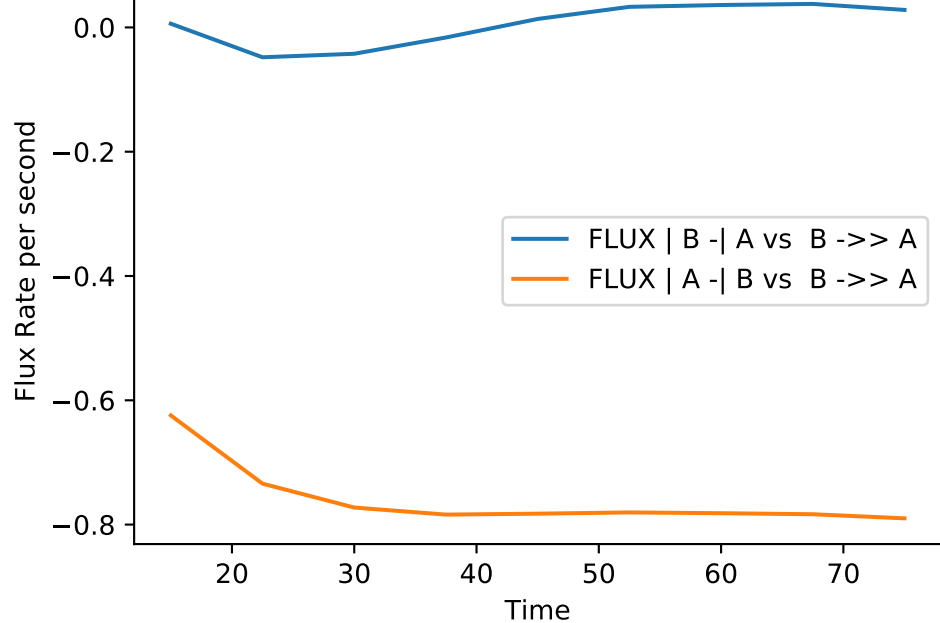
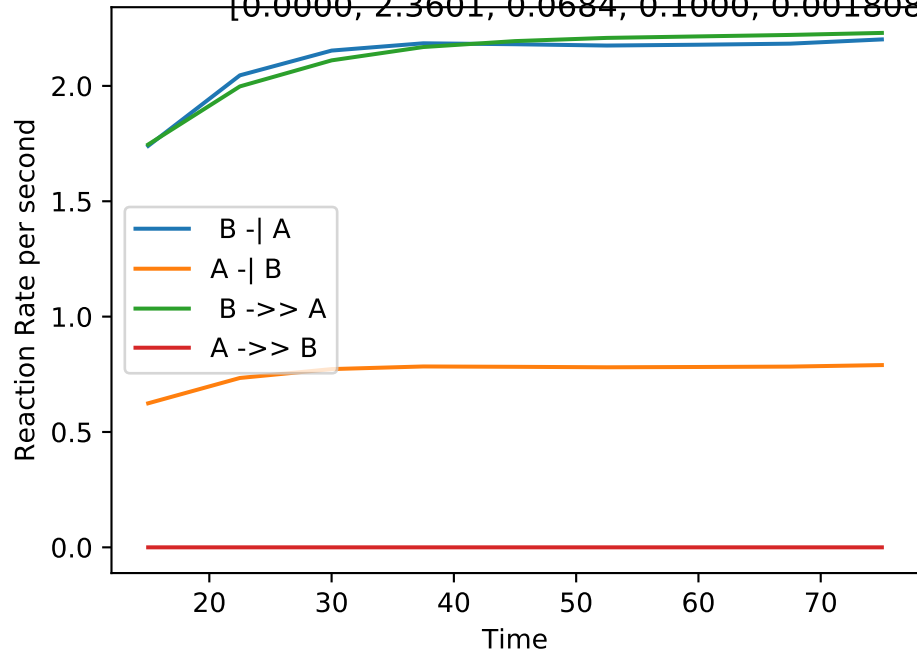
Single_up | MB-LLS Single_up(#374):

[1.4782, 2.2978, 0.0375, 0.1280, 0.0001822, 0.0006408, 0.0001, 0.0000, 0.0877, 0.0000]



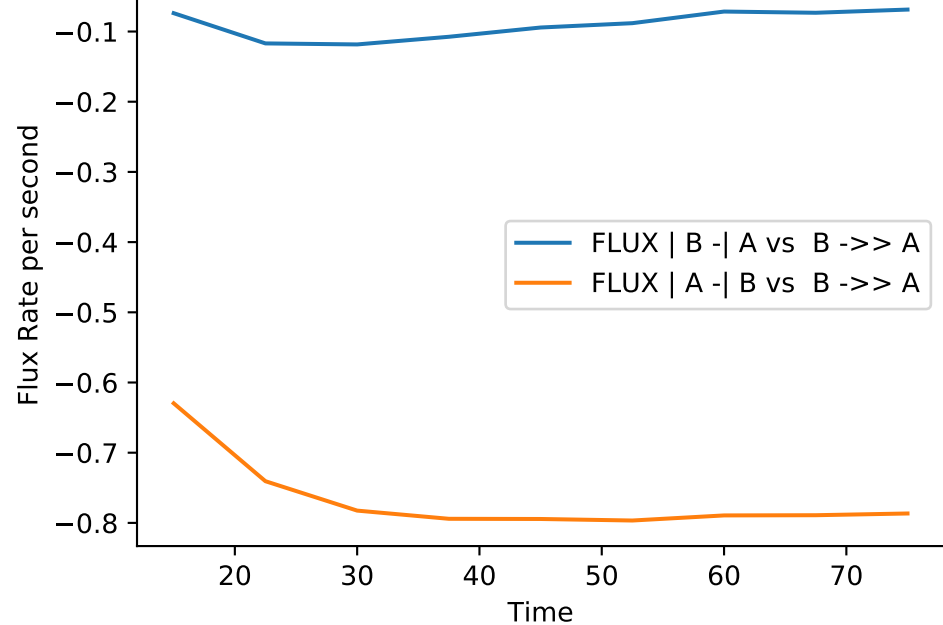
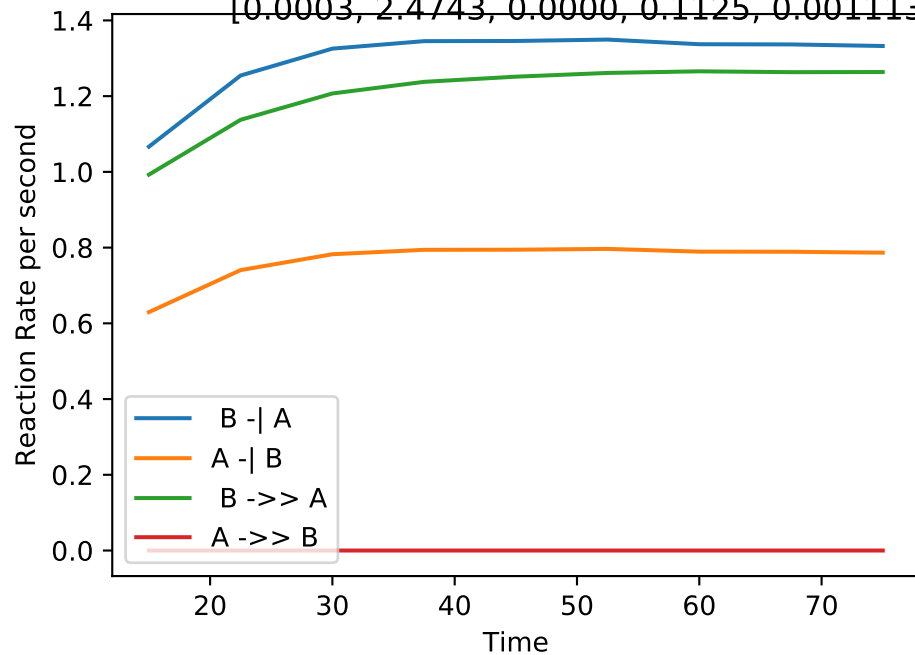
Single_up | MB-LLS Single_up(#375):

[0.0000, 2.3601, 0.0684, 0.1000, 0.001808, 0.0006487, 0.0555, 0.0700, 0.0597, 0.0000]



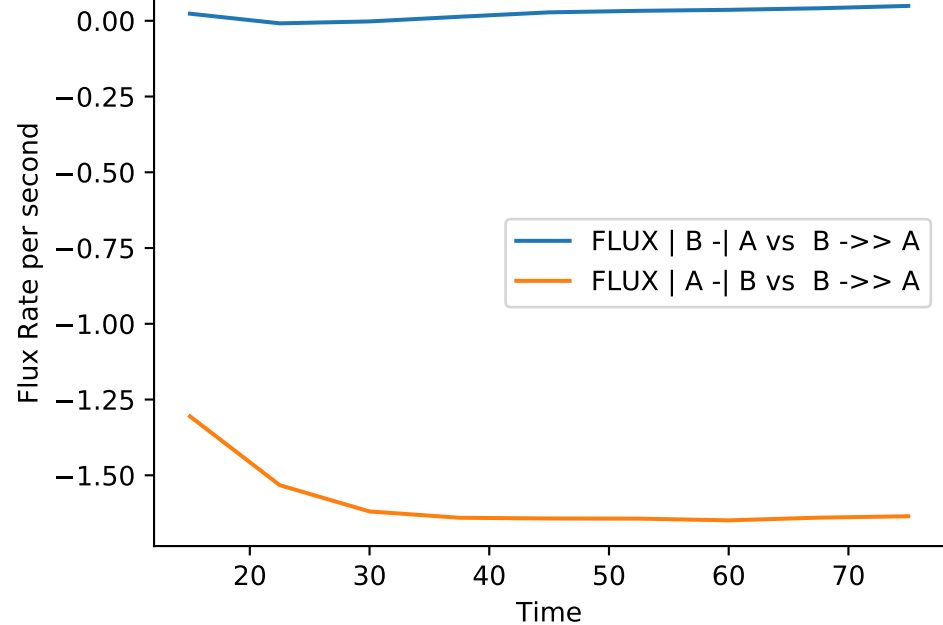
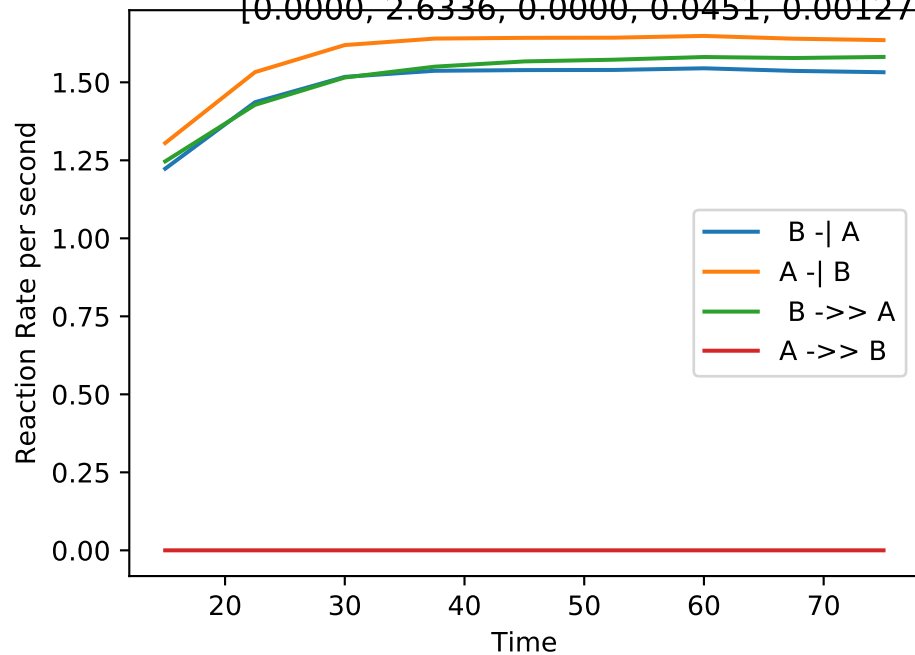
Single_up | MB-LLS Single_up(#376):

[0.0003, 2.4743, 0.0000, 0.1125, 0.001113, 0.0006569, 0.0317, 0.0052, 0.0690, 0.0000]



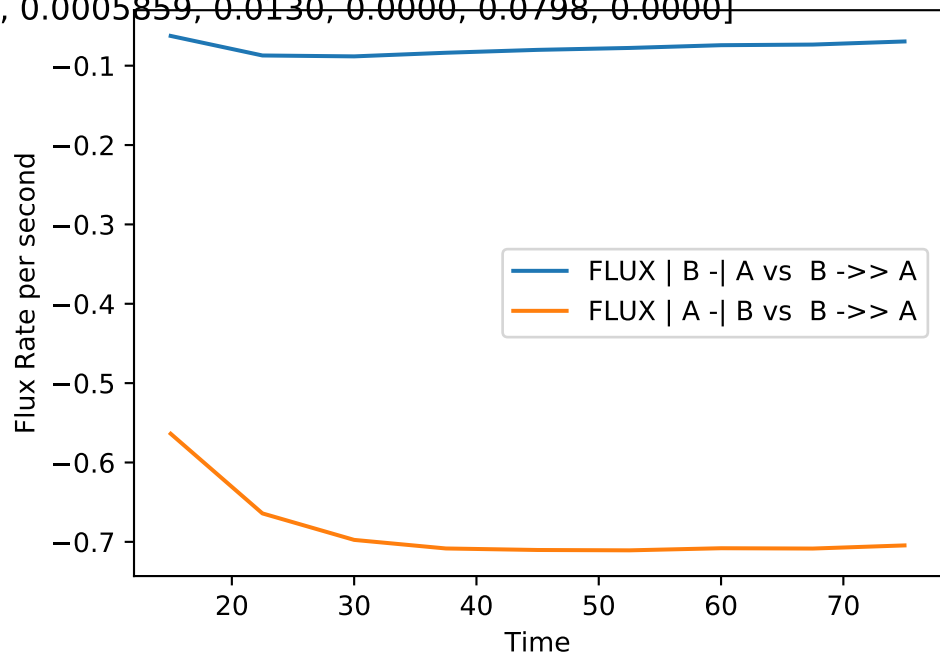
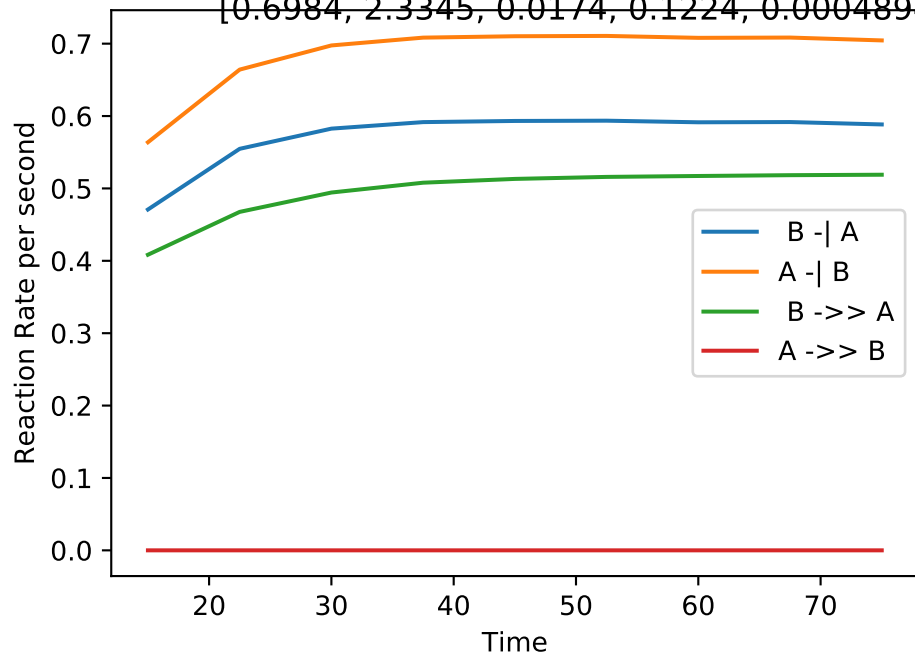
Single_up | MB-LLS Single_up(#377):

[0.0000, 2.6336, 0.0000, 0.0451, 0.001275, 0.001361, 0.0396, 0.0029, 0.0213, 0.0000]



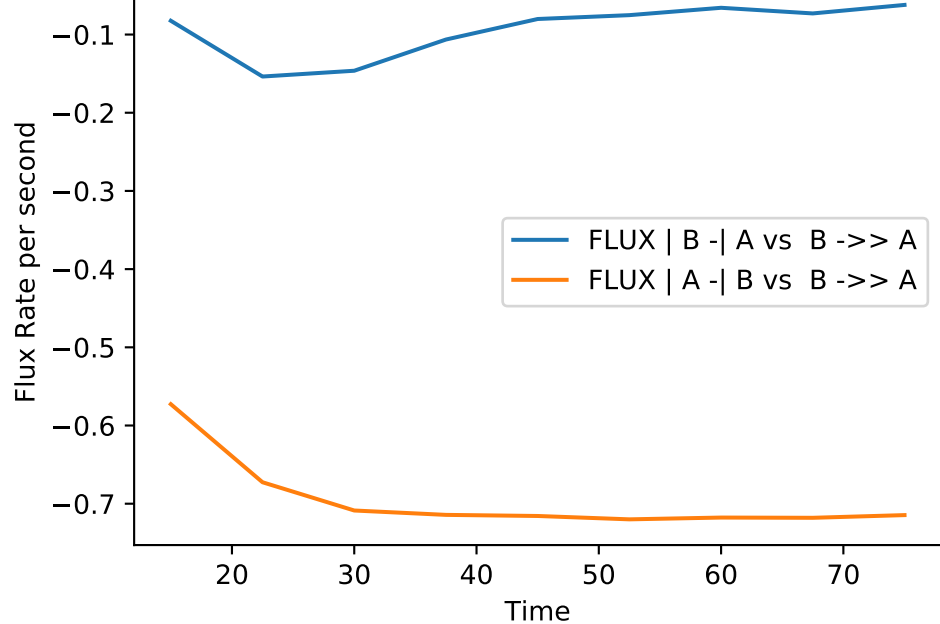
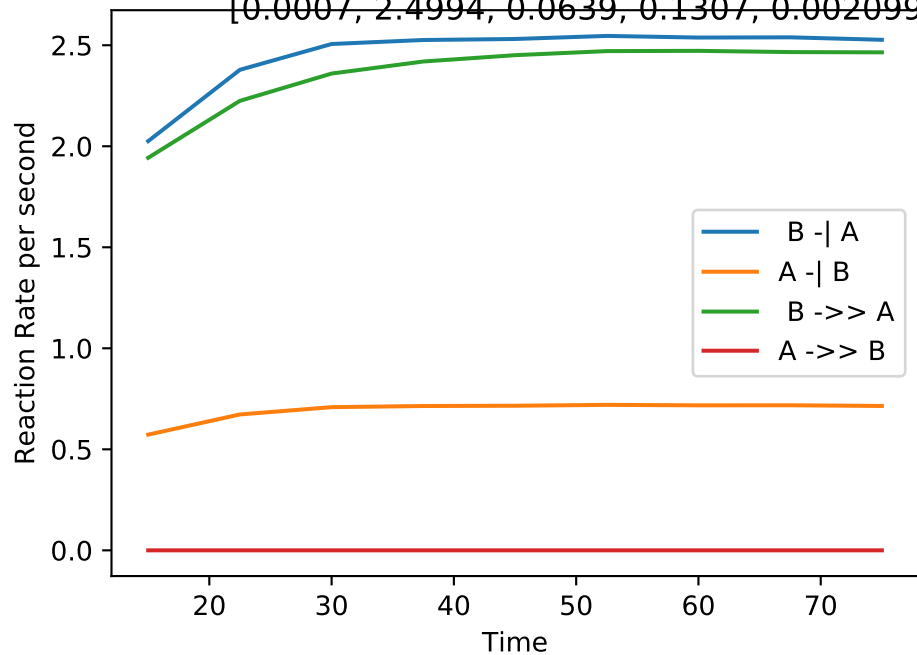
Single_up | MB-LLS Single_up(#378):

[0.6984, 2.3345, 0.0174, 0.1224, 0.0004894, 0.0005859, 0.0130, 0.0000, 0.0798, 0.0000]



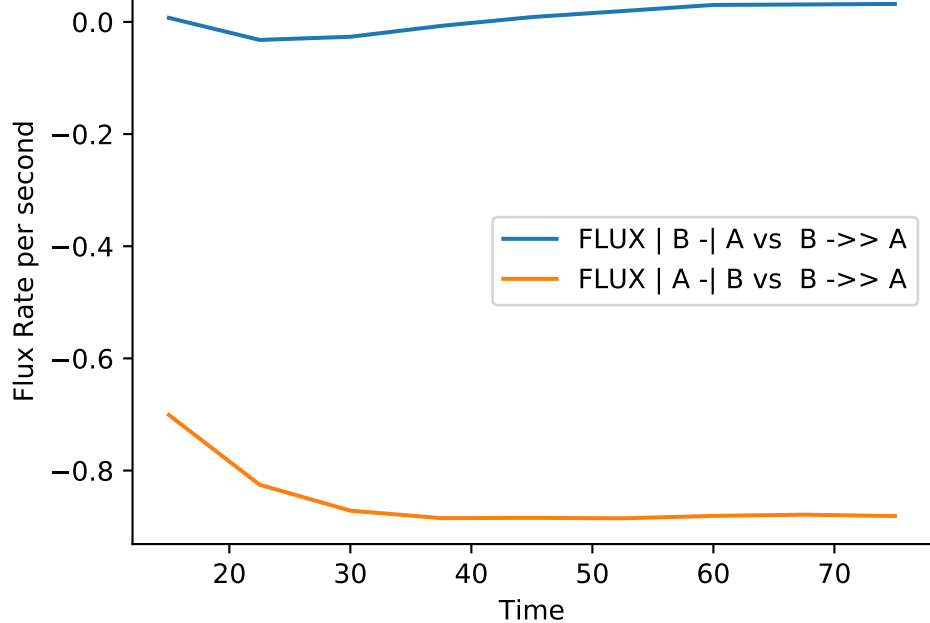
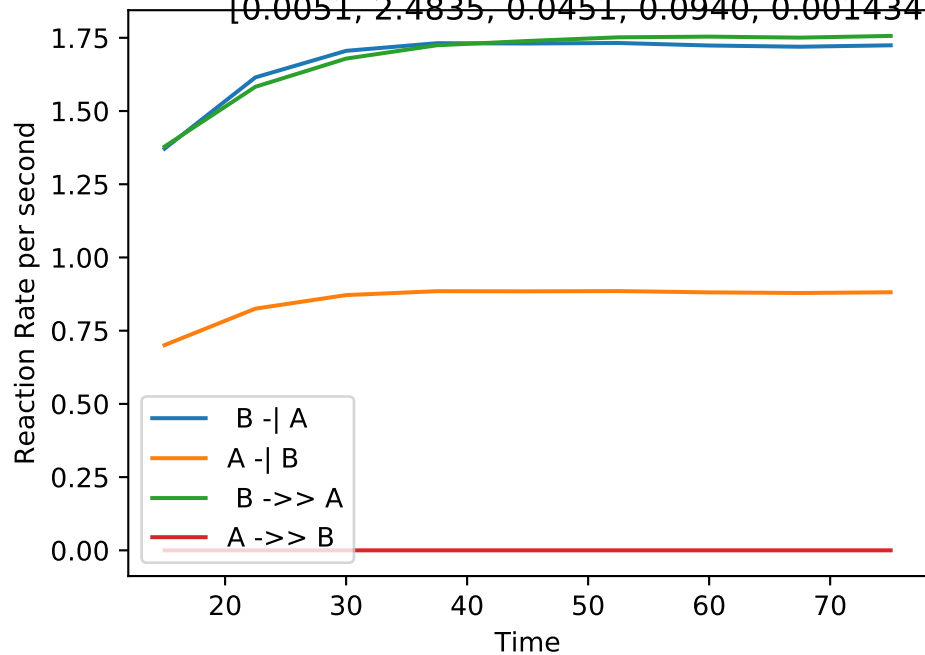
Single_up | MB-LLS Single_up(#379):

[0.0007, 2.4994, 0.0639, 0.1307, 0.002099, 0.0005937, 0.0619, 0.0690, 0.0841, 0.0000]



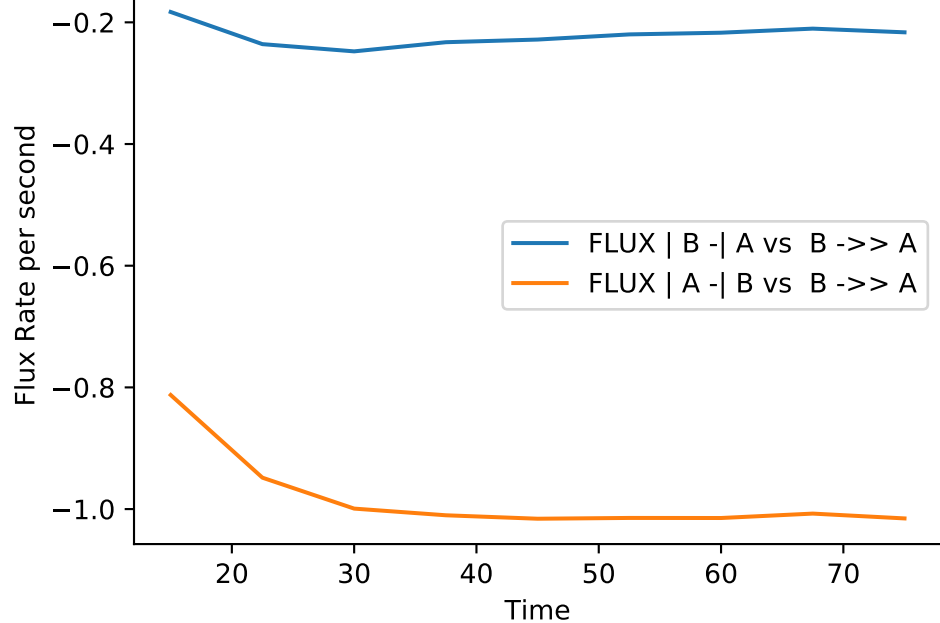
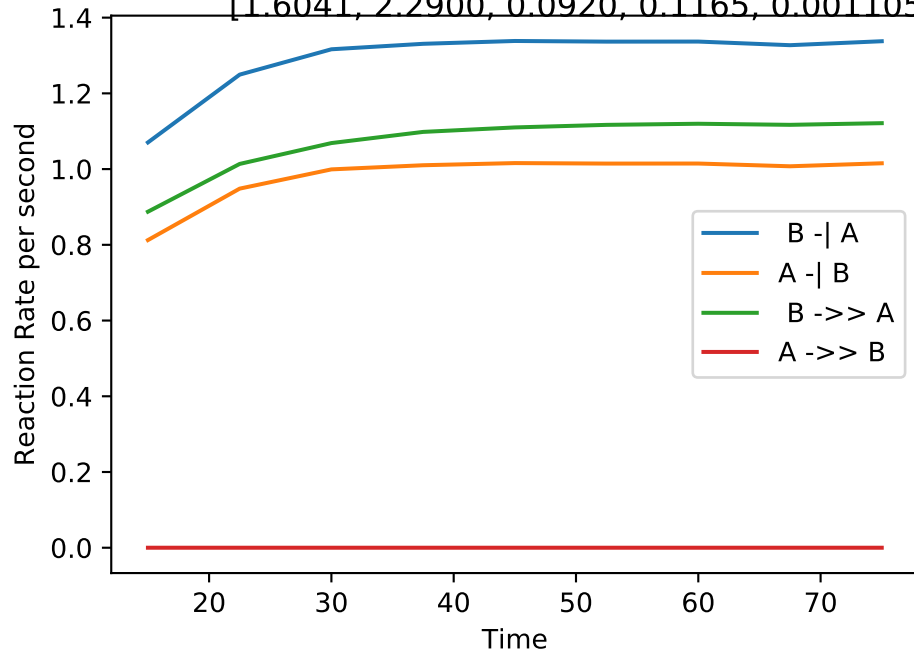
Single_up | MB-LLS Single_up(#380):

[0.0051, 2.4835, 0.0451, 0.0940, 0.001434, 0.0007326, 0.0440, 0.0465, 0.0533, 0.0000]



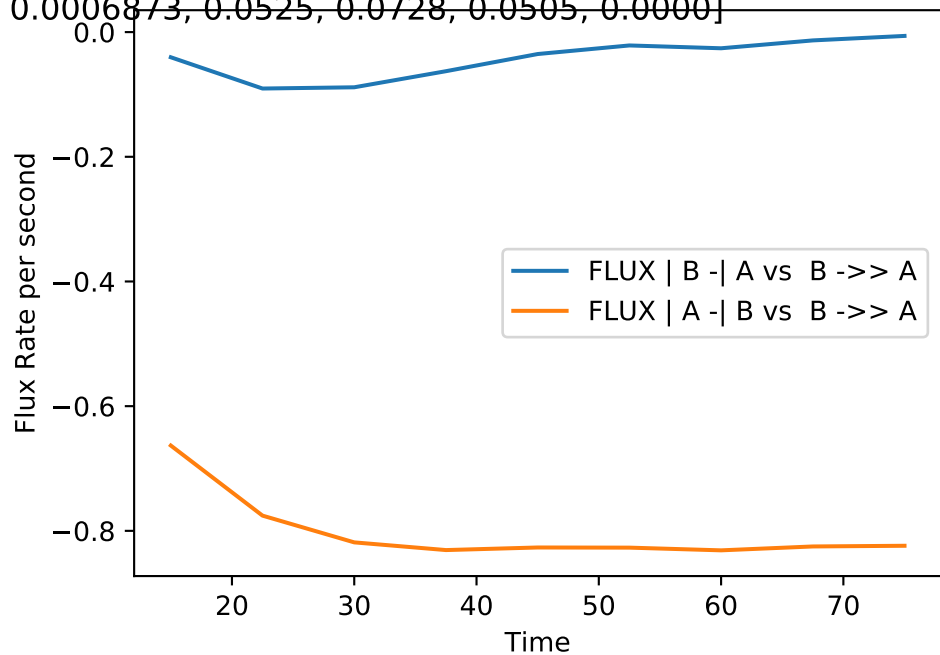
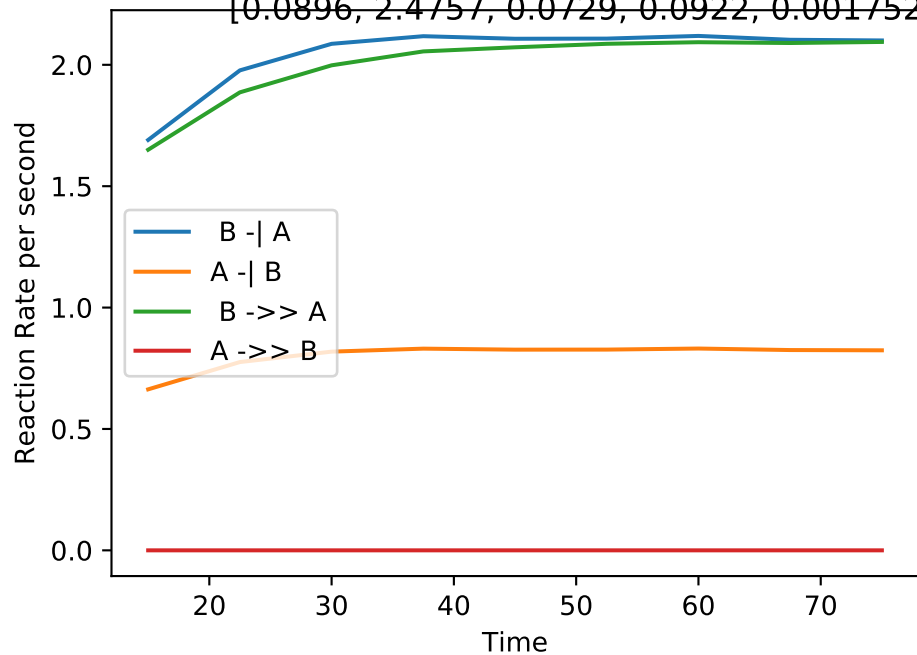
Single_up | MB-LLS Single_up(#381):

[1.6041, 2.2900, 0.0920, 0.1165, 0.001105, 0.0008386, 0.0281, 0.0518, 0.0826, 0.0000]



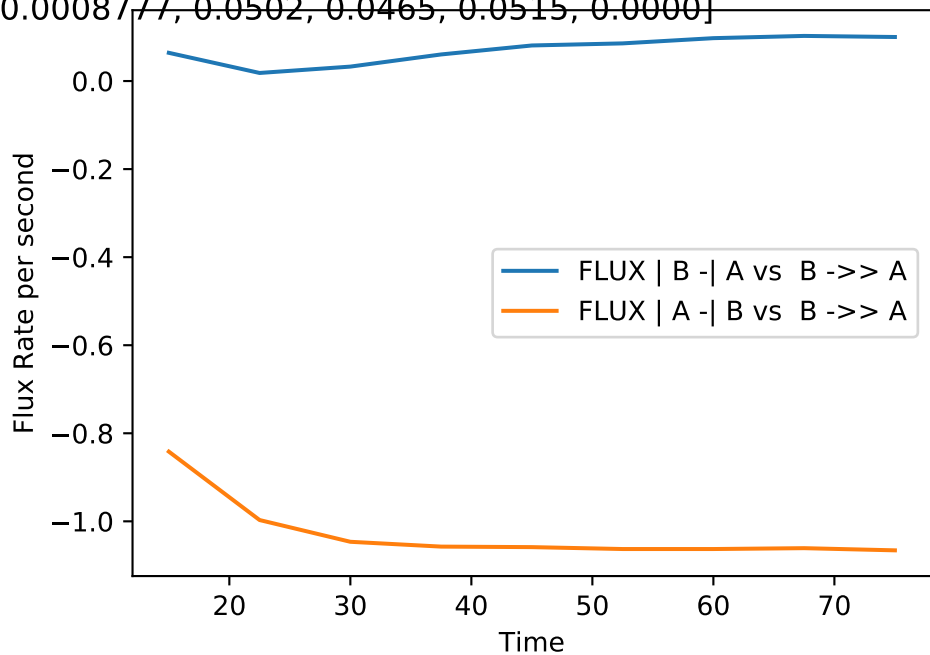
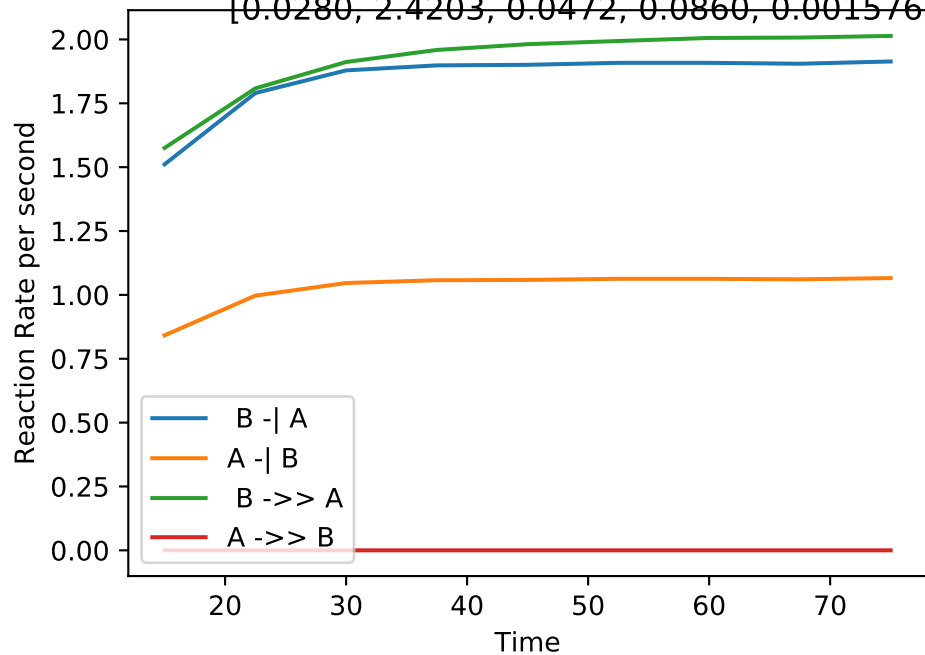
Single_up | MB-LLS Single_up(#382):

[0.0896, 2.4757, 0.0729, 0.0922, 0.001752, 0.0006873, 0.0525, 0.0728, 0.0505, 0.0000]



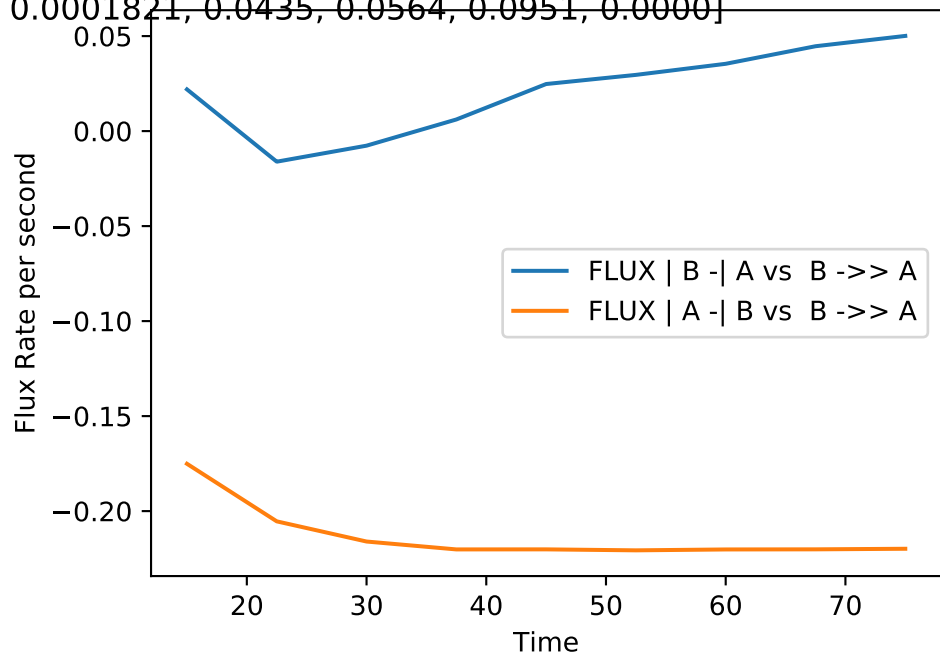
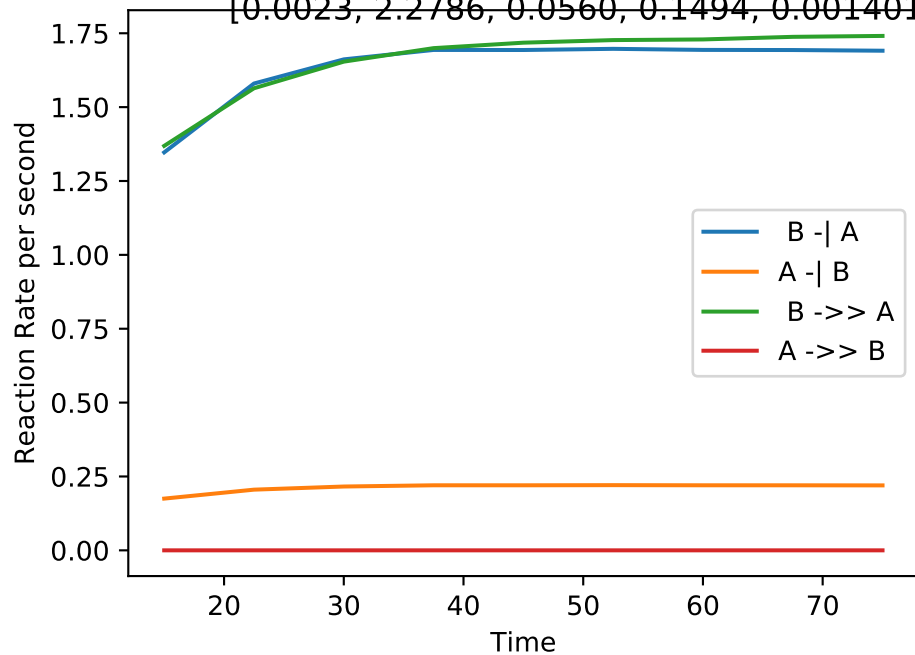
Single_up | MB-LLS Single_up(#383):

[0.0280, 2.4203, 0.0472, 0.0860, 0.001576, 0.0008777, 0.0502, 0.0465, 0.0515, 0.0000]



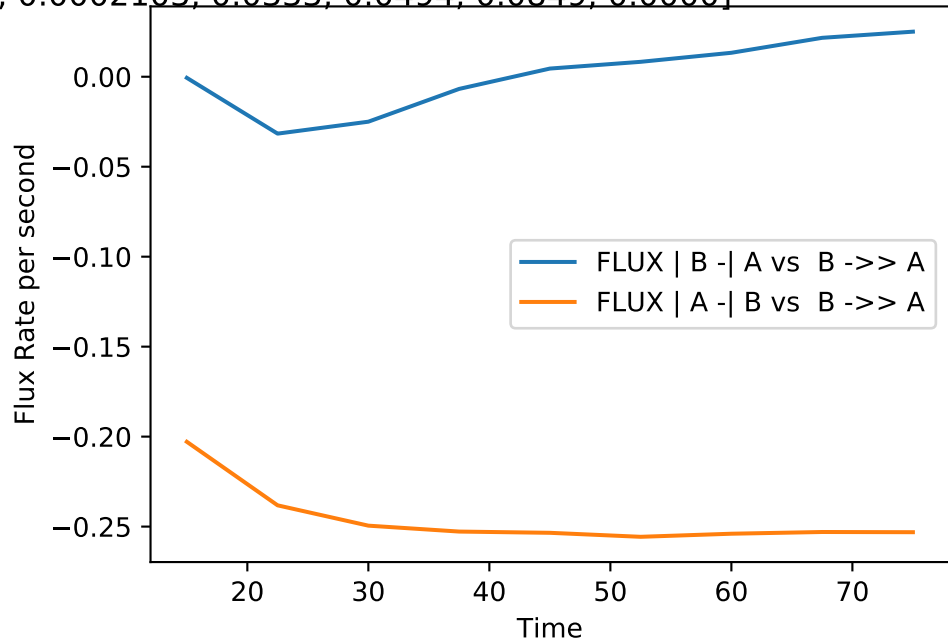
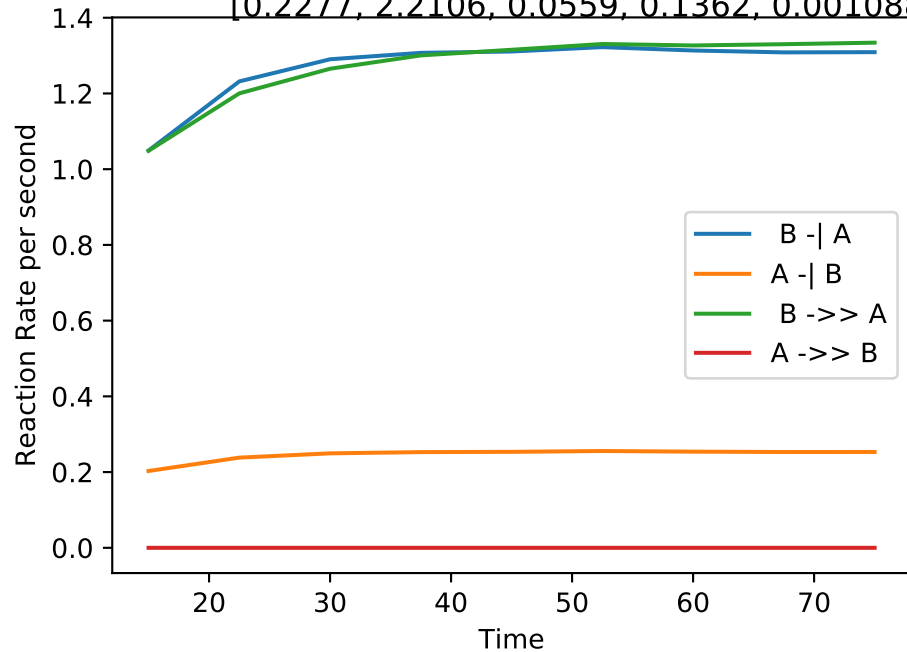
Single_up | MB-LLS Single_up(#384):

[0.0023, 2.2786, 0.0560, 0.1494, 0.001401, 0.0001821, 0.0435, 0.0564, 0.0951, 0.0000]



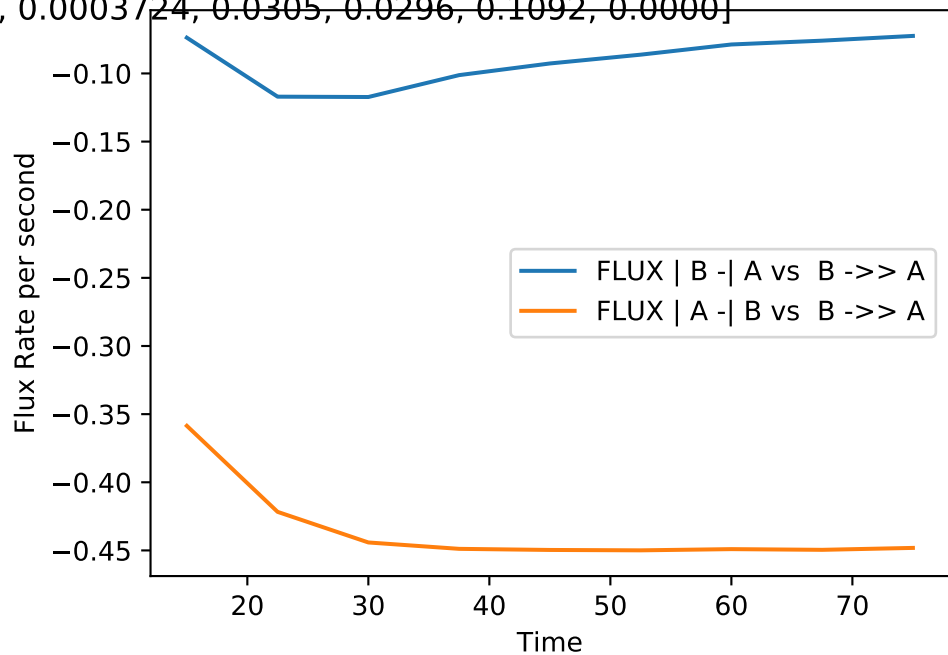
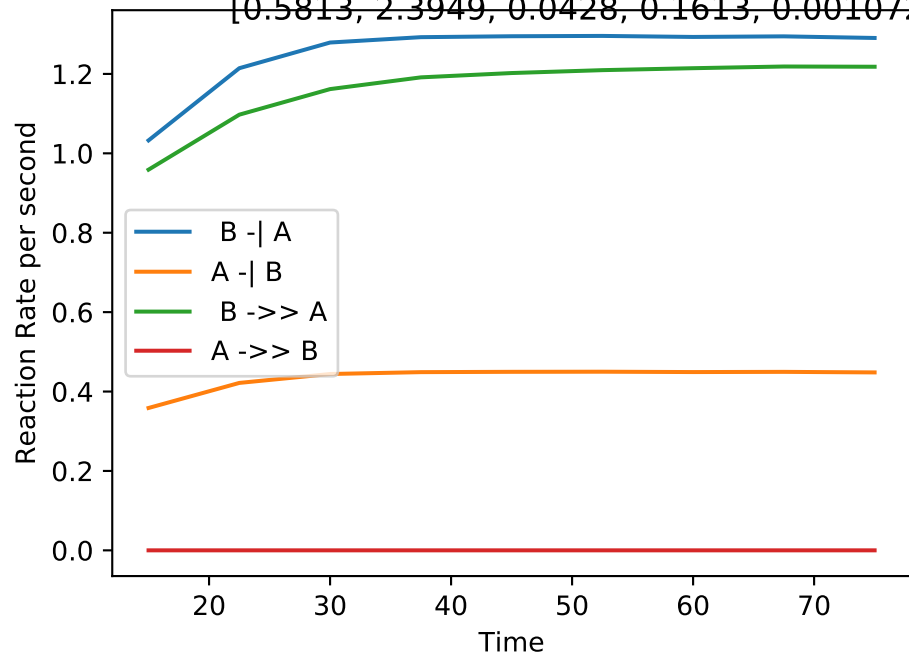
Single_up | MB-LLS Single_up(#385):

[0.2277, 2.2106, 0.0559, 0.1362, 0.001088, 0.0002103, 0.0333, 0.0494, 0.0849, 0.0000]



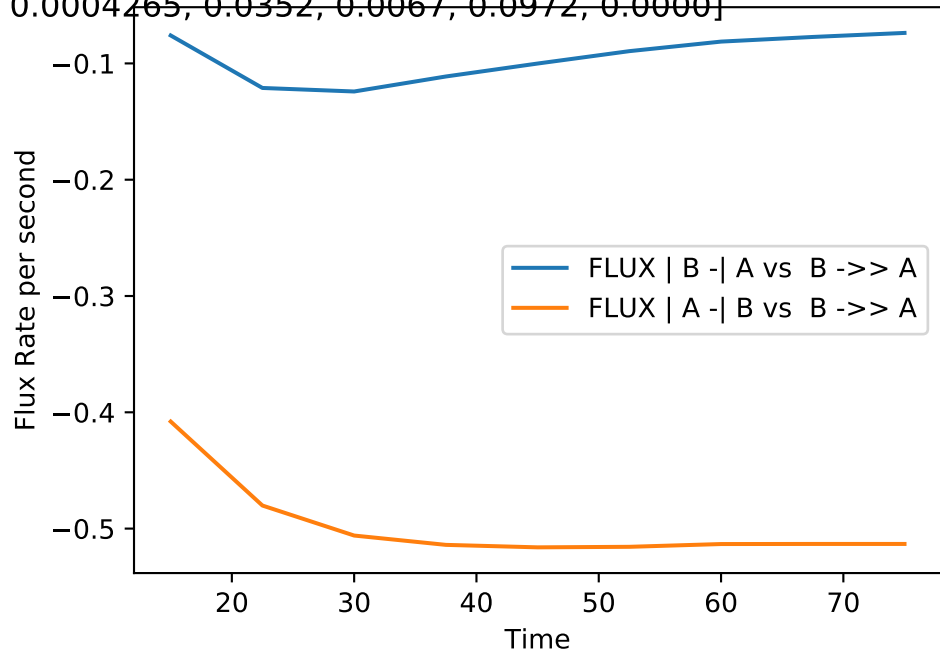
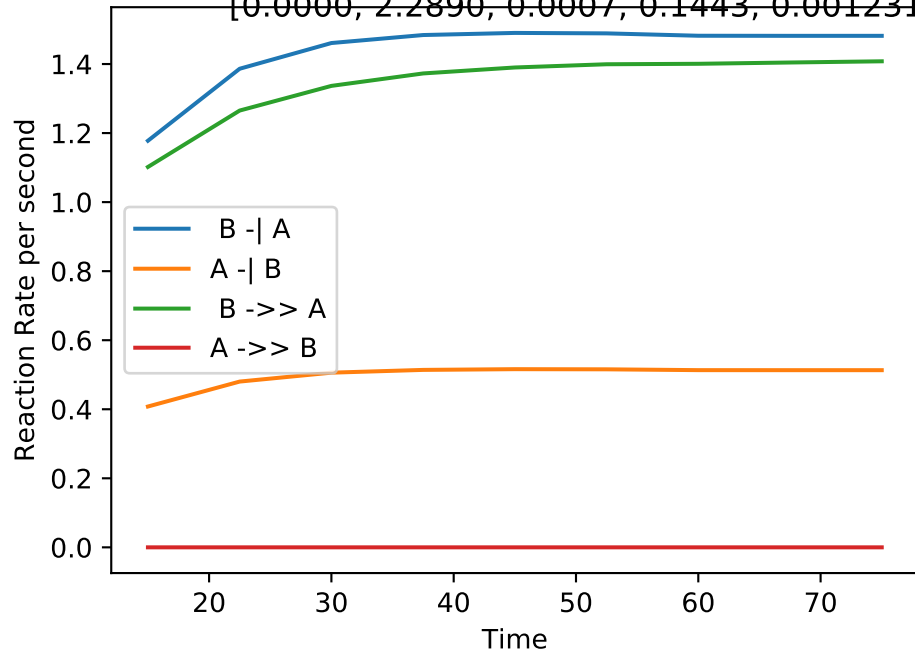
Single_up | MB-LLS Single_up(#386):

[0.5813, 2.3949, 0.0428, 0.1613, 0.001072, 0.0003724, 0.0305, 0.0296, 0.1092, 0.0000]



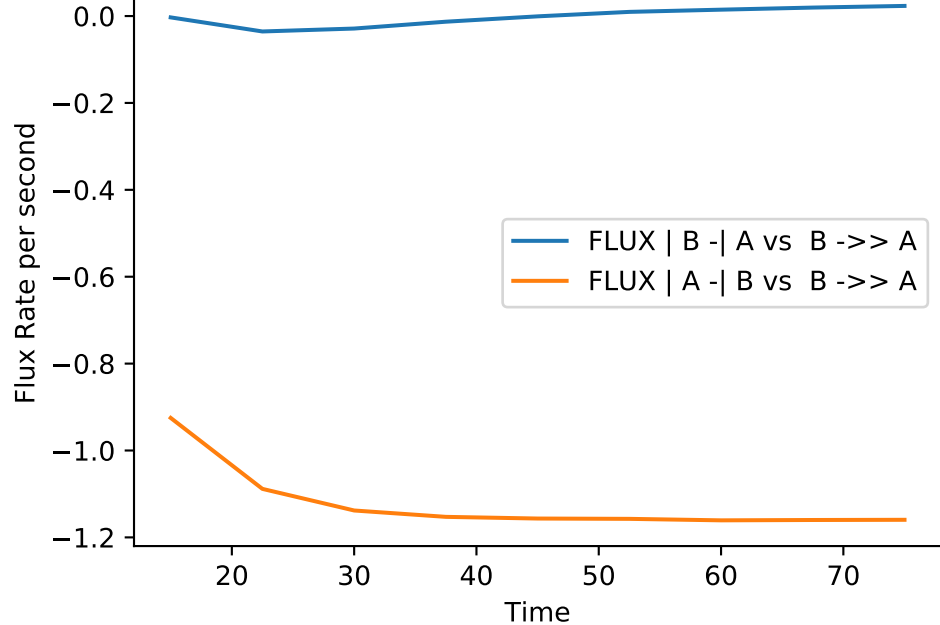
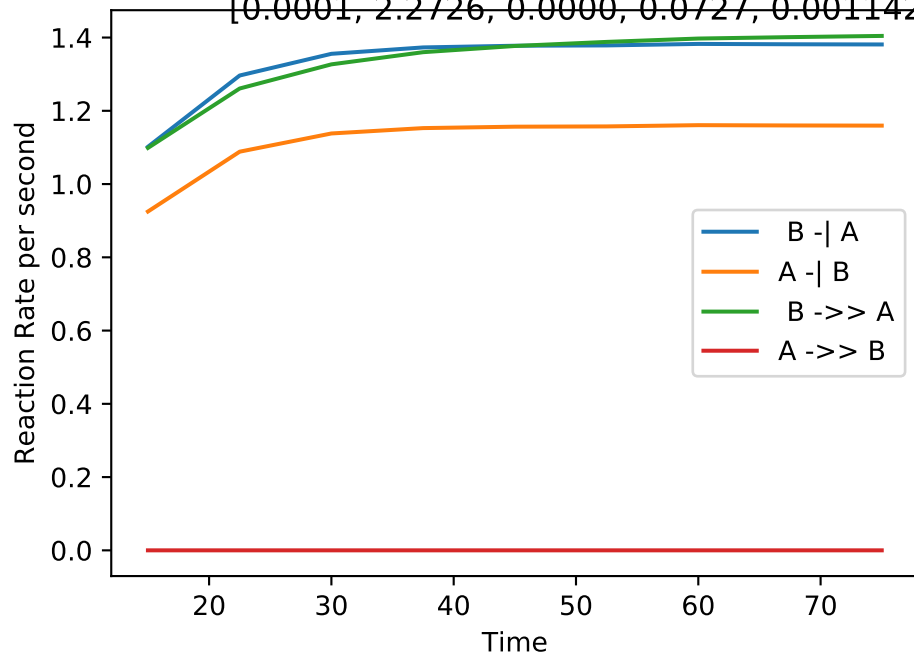
Single_up | MB-LLS Single_up(#387):

[0.0000, 2.2890, 0.0007, 0.1443, 0.001231, 0.0004265, 0.0352, 0.0067, 0.0972, 0.0000]



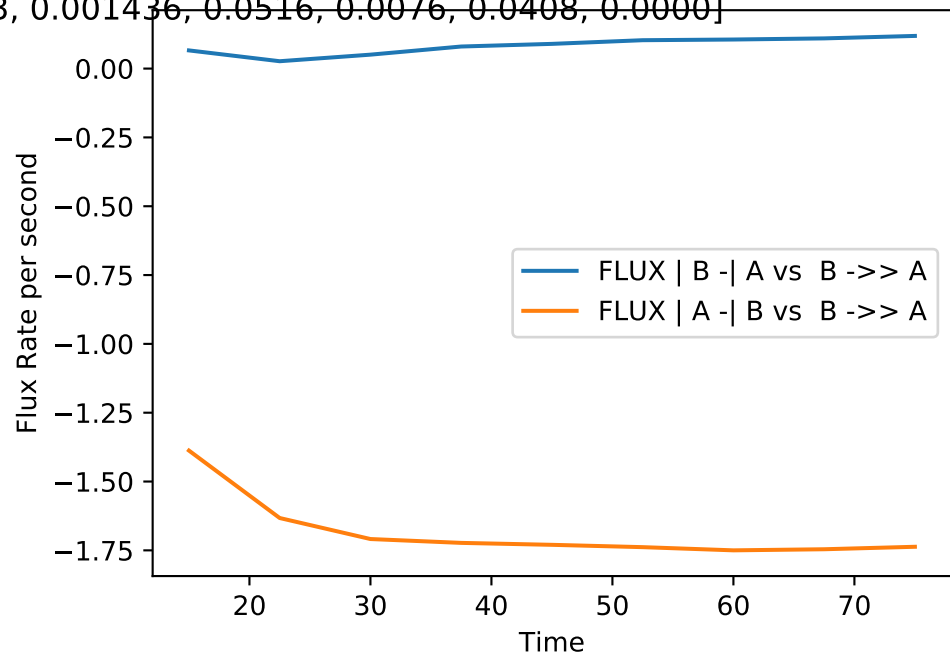
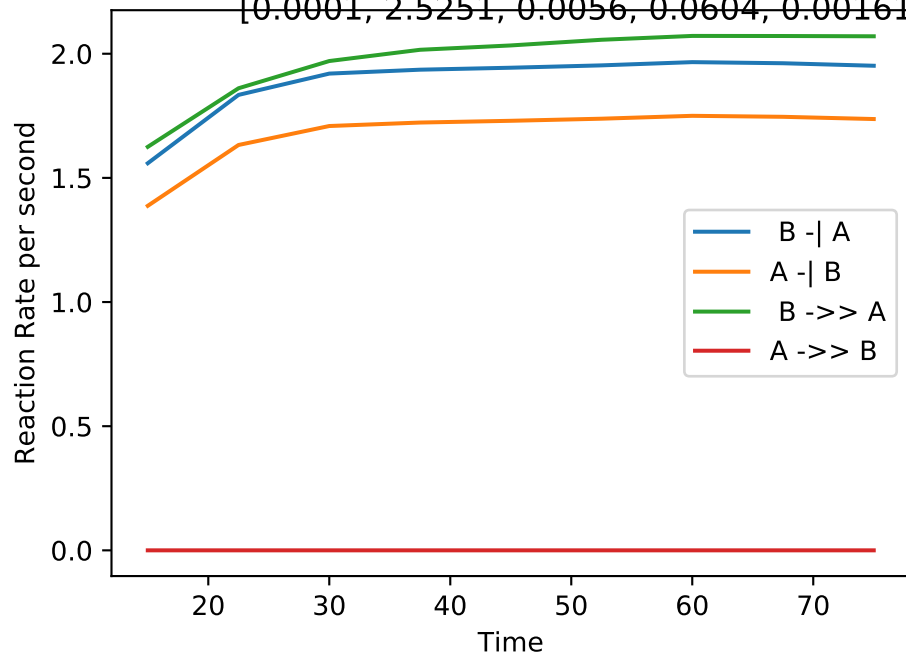
Single_up | MB-LLS Single_up(#388):

[0.0001, 2.2726, 0.0000, 0.0727, 0.001142, 0.0009592, 0.0350, 0.0031, 0.0447, 0.0000]



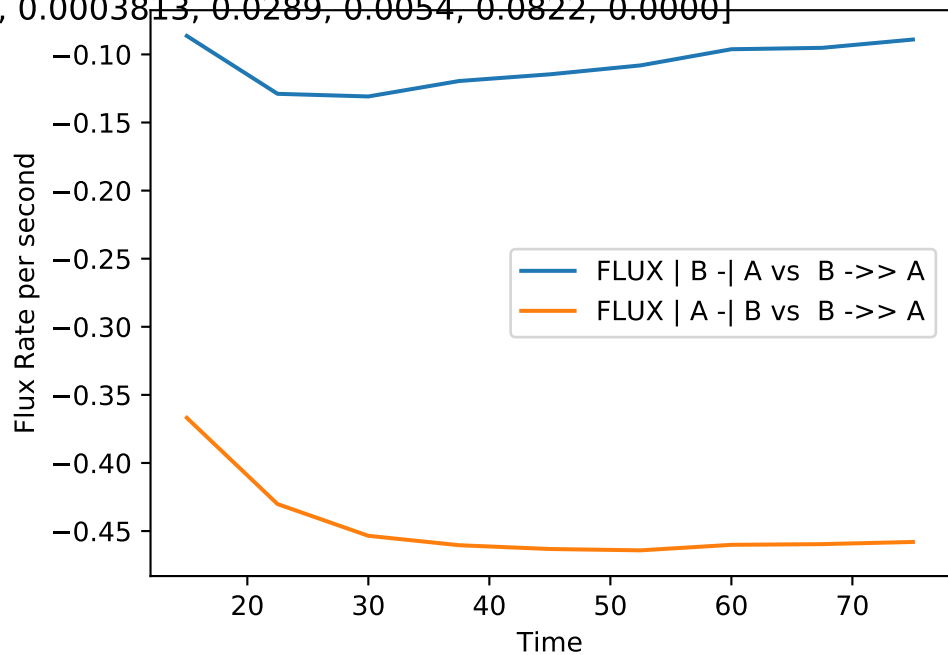
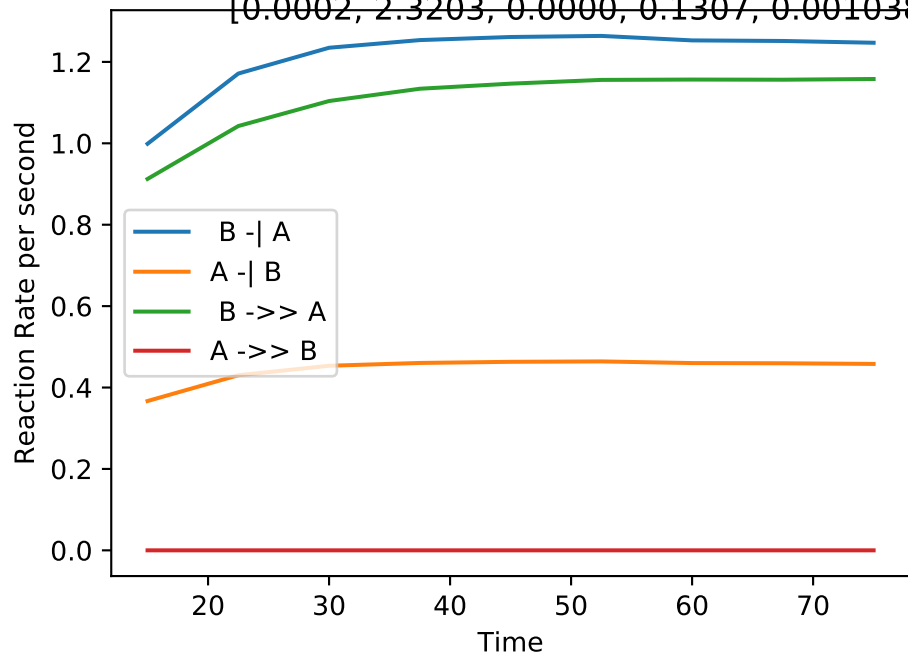
Single_up | MB-LLS Single_up(#389):

[0.0001, 2.5251, 0.0056, 0.0604, 0.001613, 0.001436, 0.0516, 0.0076, 0.0408, 0.0000]



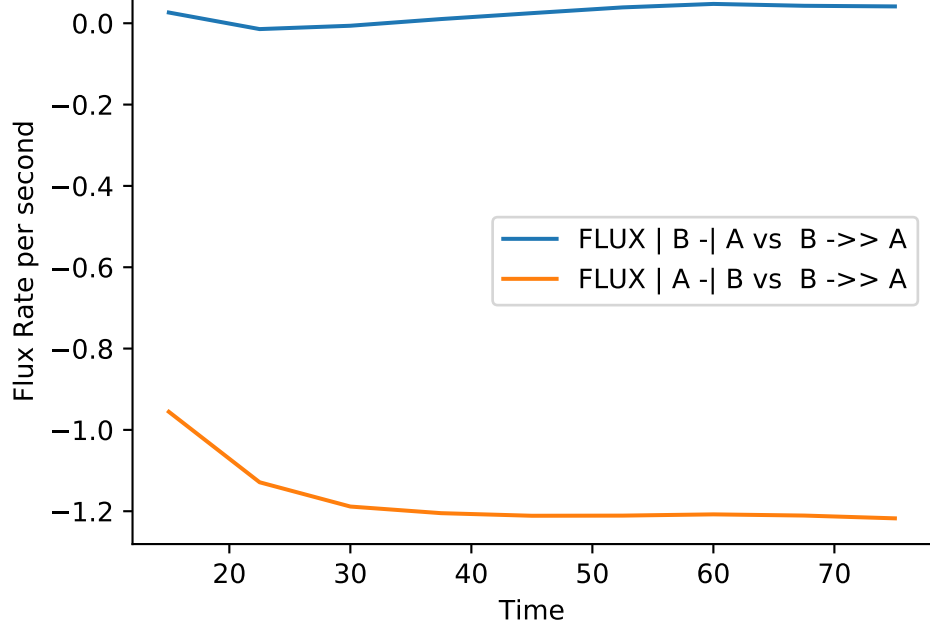
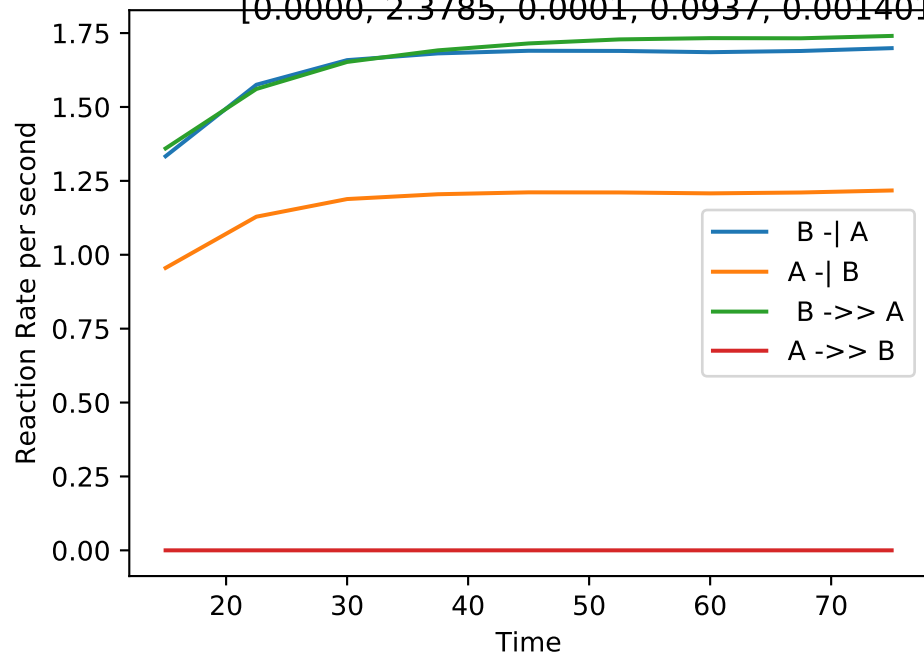
Single_up | MB-LLS Single_up(#390):

[0.0002, 2.3203, 0.0000, 0.1307, 0.001038, 0.0003813, 0.0289, 0.0054, 0.0822, 0.0000]



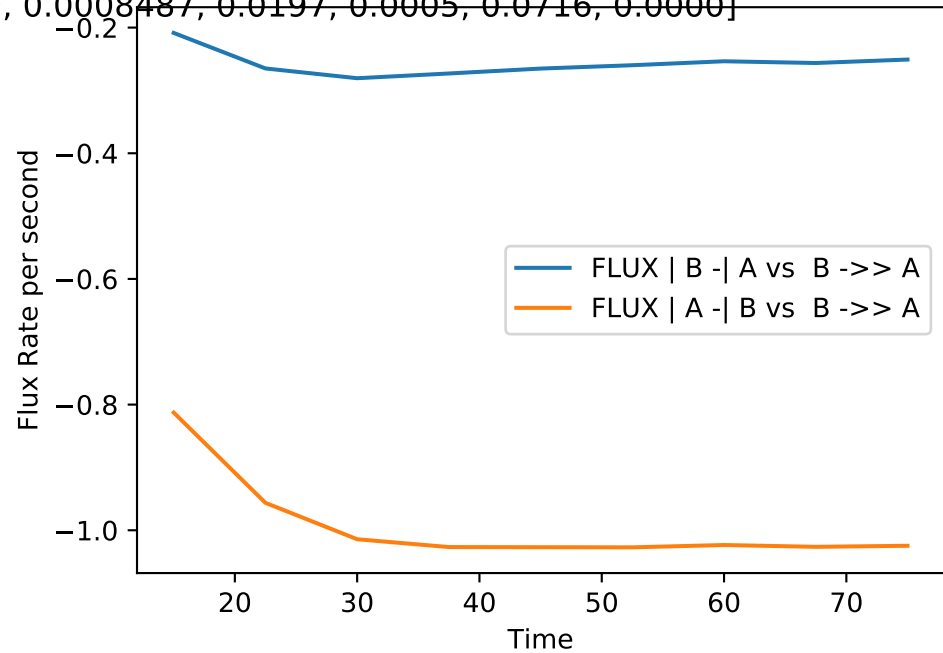
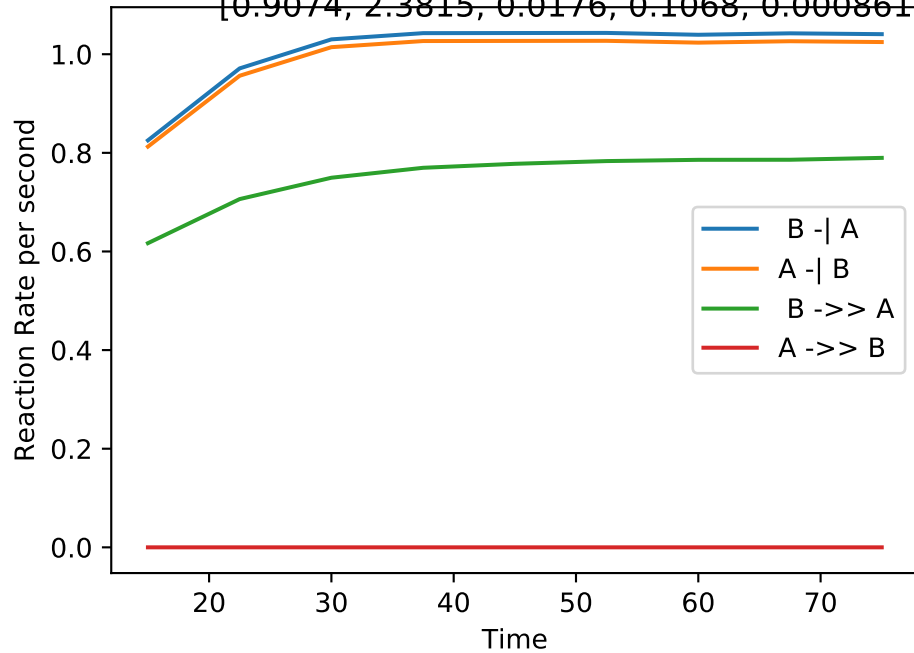
Single_up | MB-LLS Single_up(#391):

[0.0000, 2.3785, 0.0001, 0.0937, 0.001401, 0.001004, 0.0434, 0.0034, 0.0634, 0.0000]



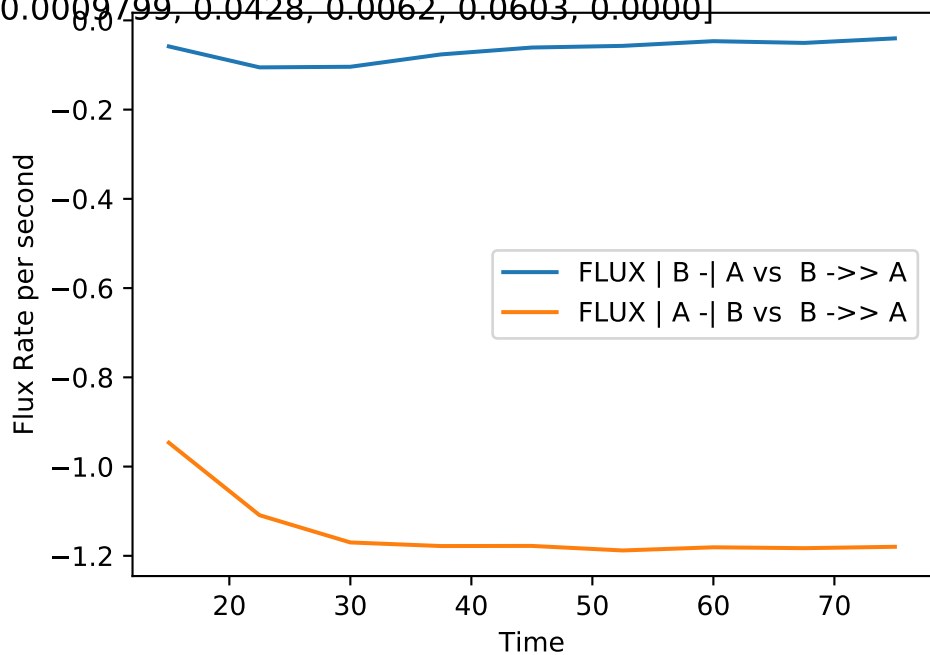
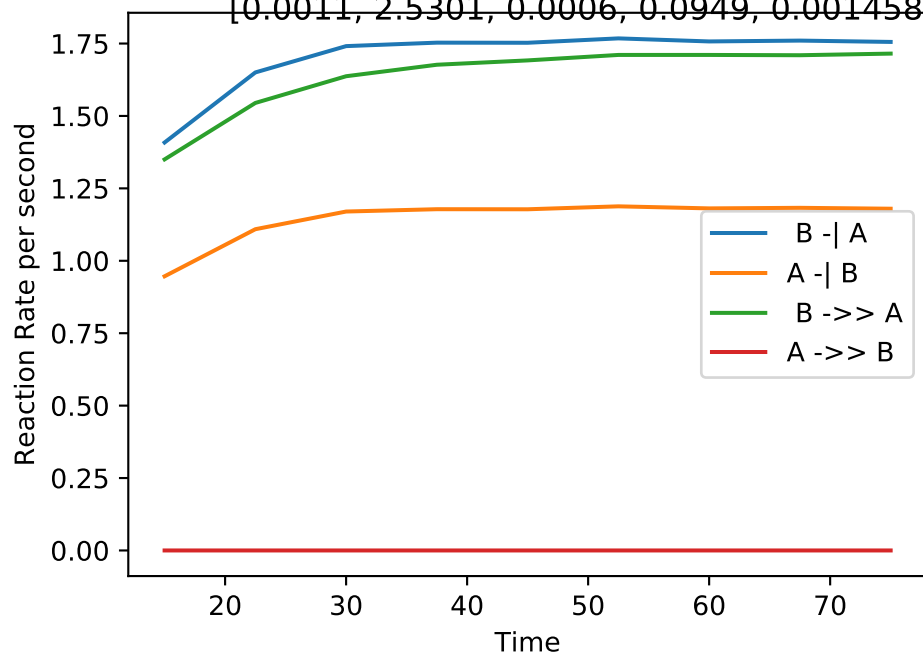
Single_up | MB-LLS Single_up(#392):

[0.9074, 2.3815, 0.0176, 0.1068, 0.0008619, 0.0008487, 0.0197, 0.0005, 0.0716, 0.0000]



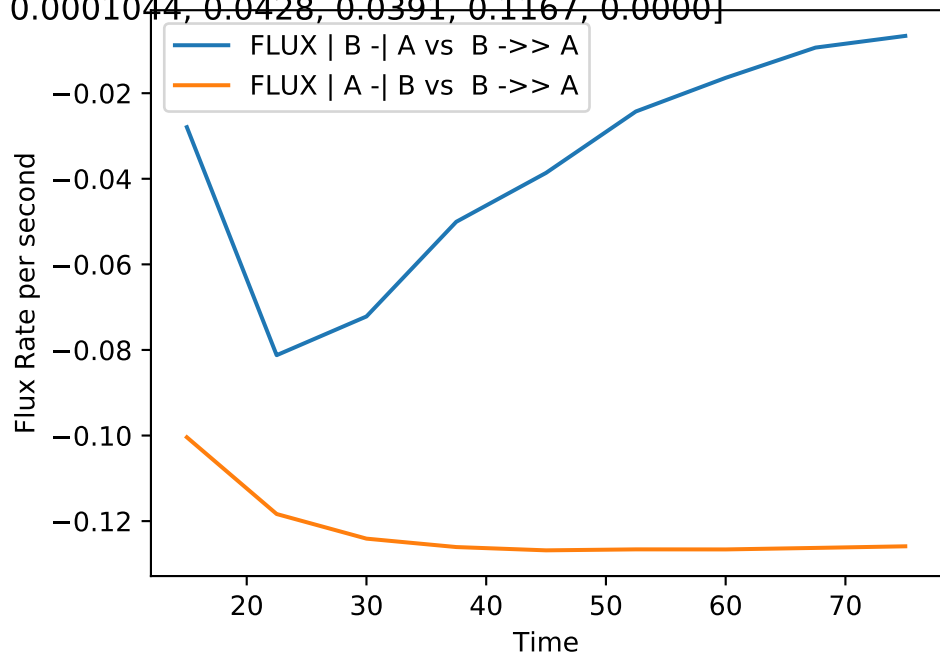
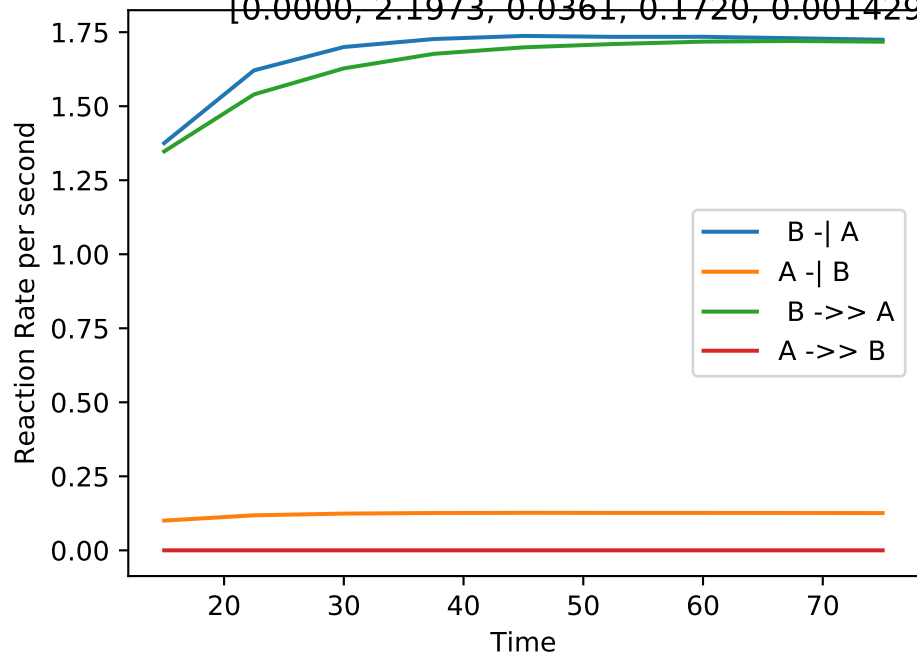
Single_up | MB-LLS Single_up(#393):

[0.0011, 2.5301, 0.0006, 0.0949, 0.001458, 0.0009799, 0.0428, 0.0062, 0.0603, 0.0000]



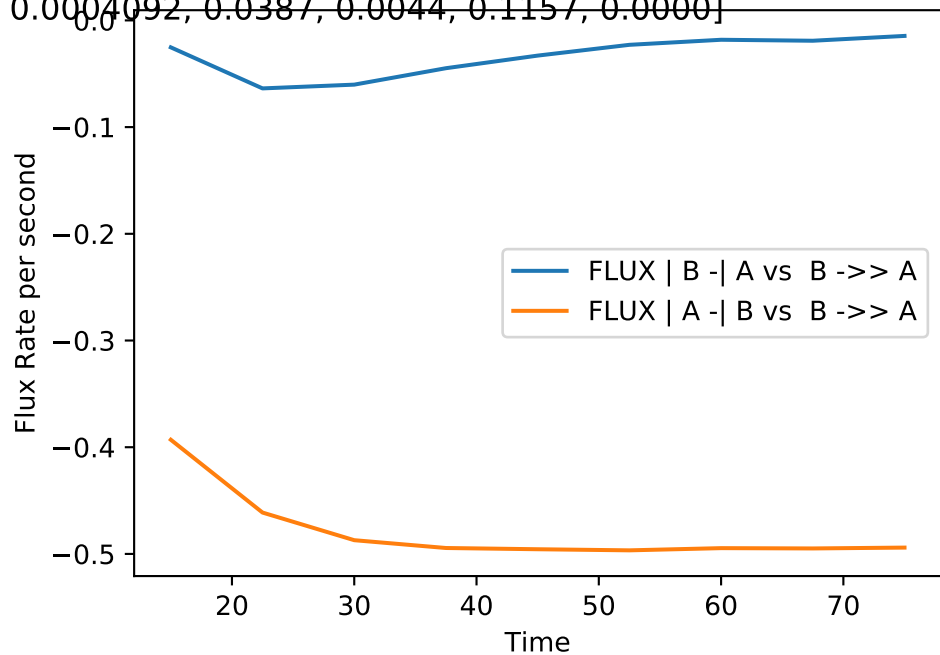
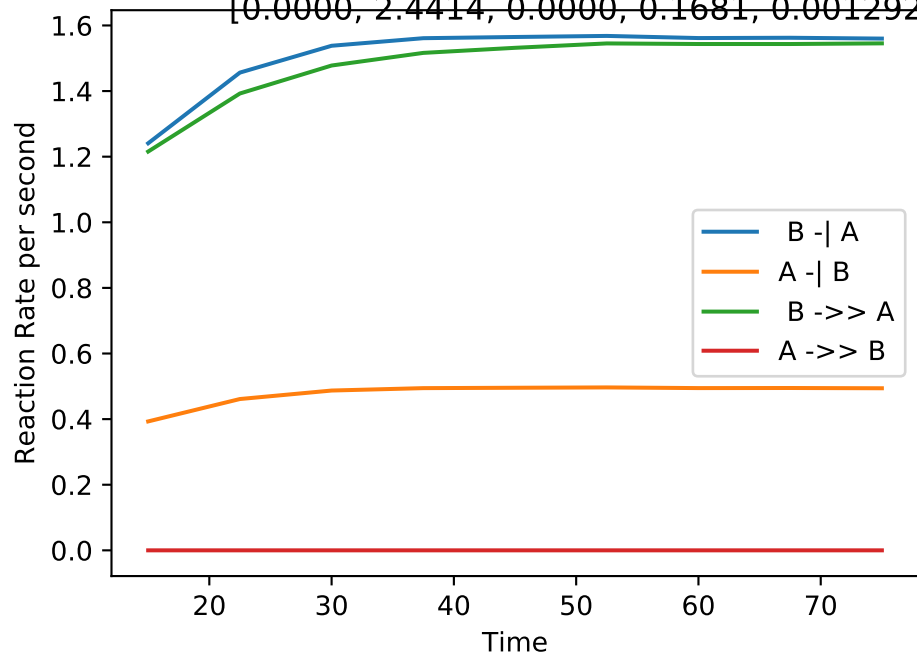
Single_up | MB-LLS Single_up(#394):

[0.0000, 2.1973, 0.0361, 0.1720, 0.001429, 0.0001044, 0.0428, 0.0391, 0.1167, 0.0000]



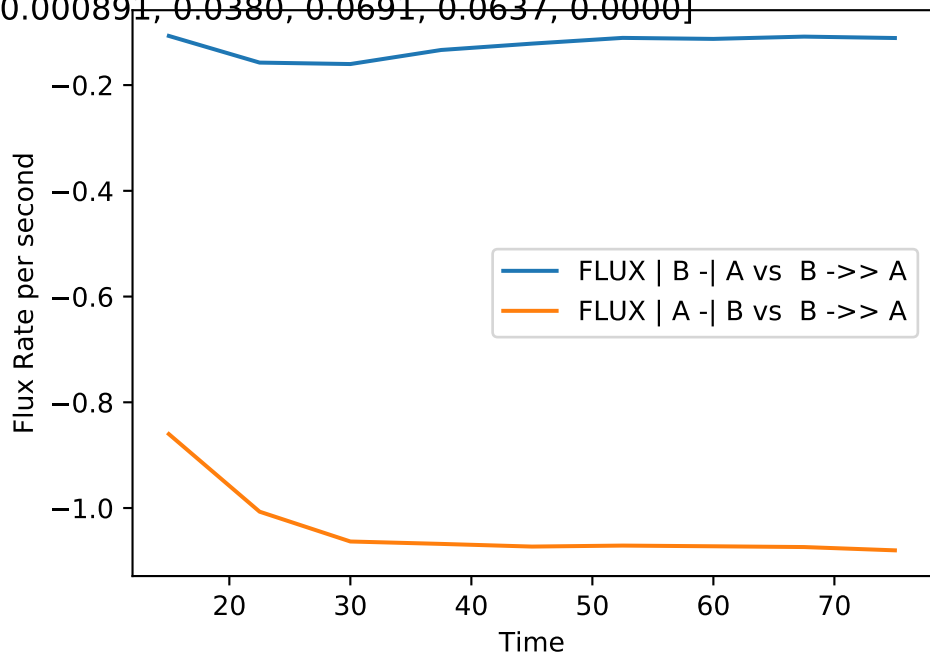
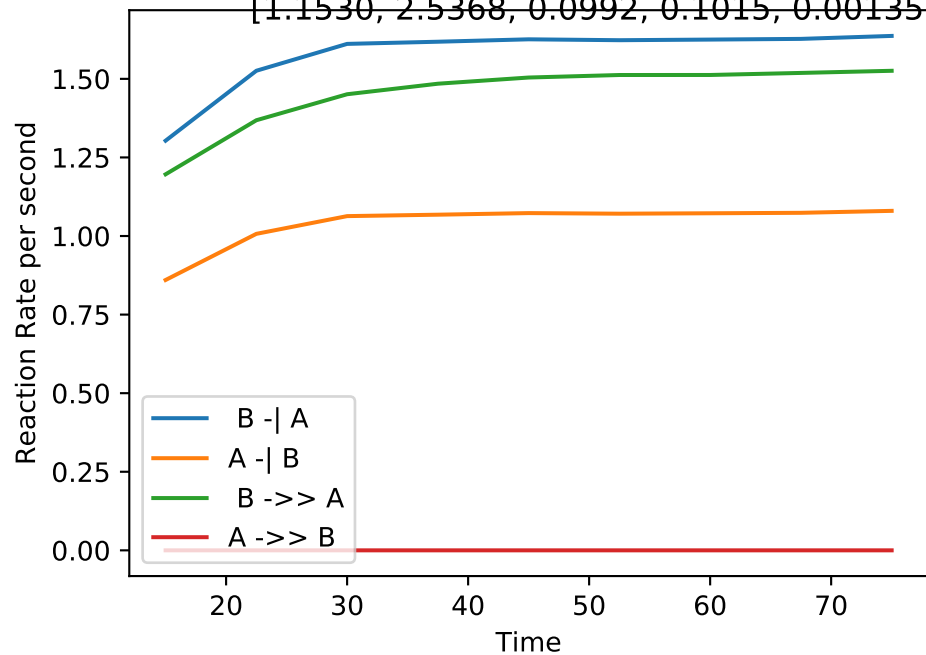
Single_up | MB-LLS Single_up(#395):

[0.0000, 2.4414, 0.0000, 0.1681, 0.001292, 0.0004092, 0.0387, 0.0044, 0.1157, 0.0000]



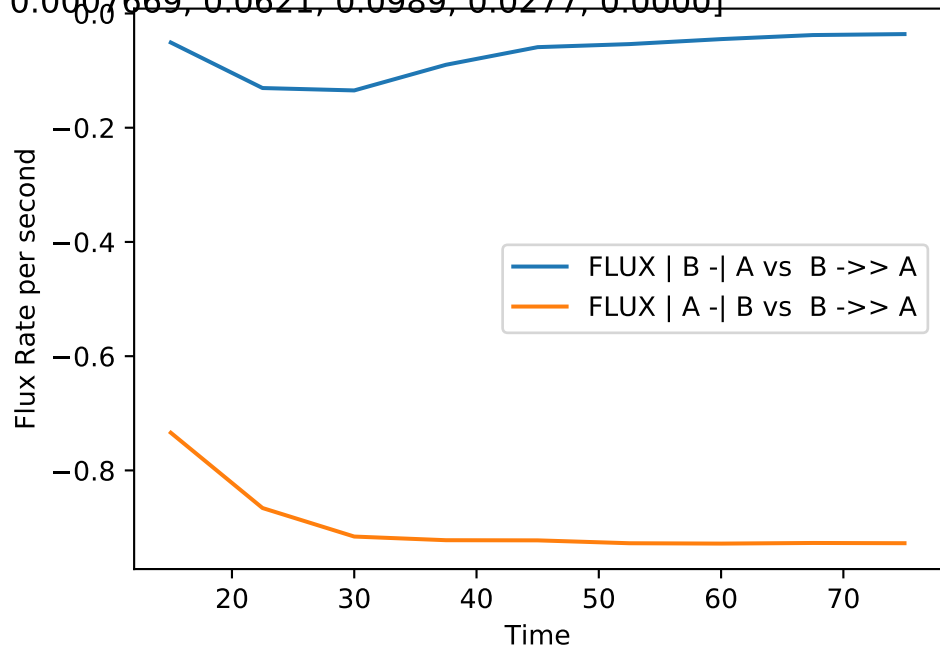
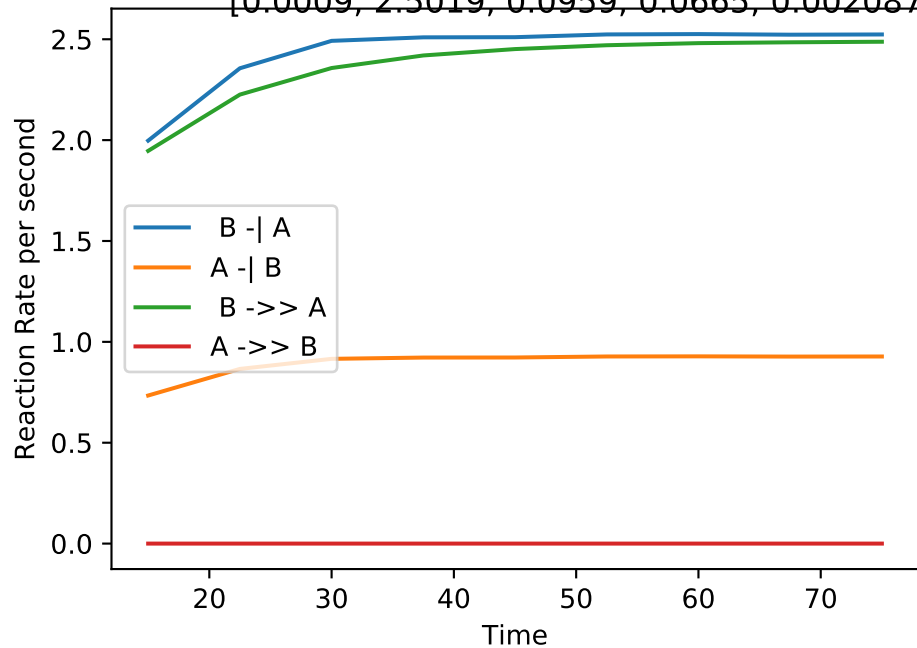
Single_up | MB-LLS Single_up(#396):

[1.1530, 2.5368, 0.0992, 0.1015, 0.00135, 0.000891, 0.0380, 0.0691, 0.0637, 0.0000]



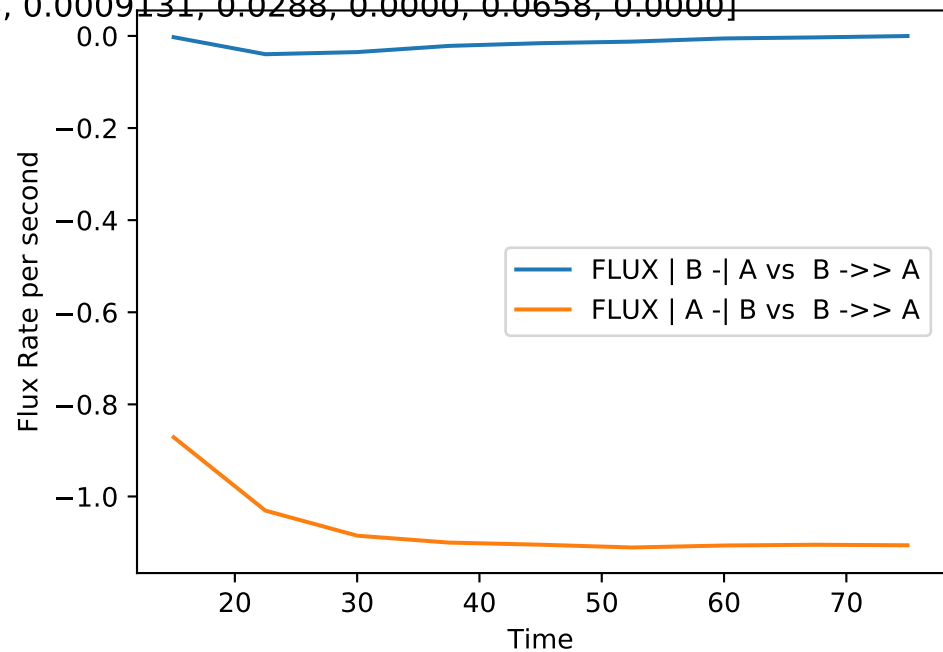
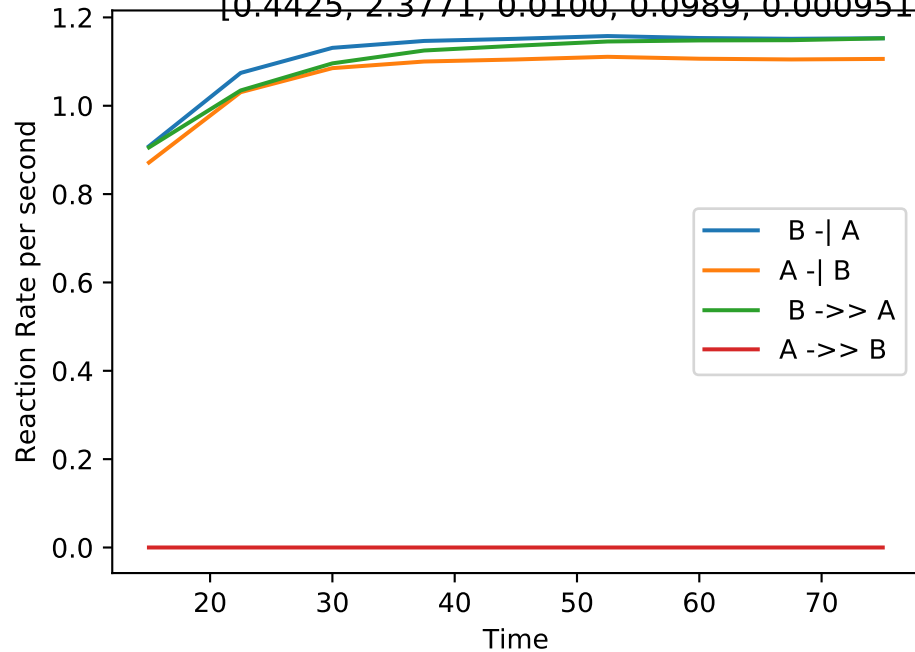
Single_up | MB-LLS Single_up(#397):

[0.0009, 2.5019, 0.0959, 0.0665, 0.002087, 0.0007669, 0.0621, 0.0989, 0.0277, 0.0000]



Single_up | MB-LLS Single_up(#398):

[0.4425, 2.3771, 0.0100, 0.0989, 0.0009518, 0.0009131, 0.0288, 0.0000, 0.0658, 0.0000]



Single_up | MB-LLS Single_up(#399):

[0.0000, 2.3923, 0.0000, 0.1398, 0.001219, 0.0007345, 0.0400, 0.0004, 0.0993, 0.0000]

