

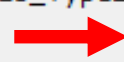


New Model

Load Model

Save Model

TypeB1+150728_TypeB1_Proto.m



150728_typeB1_Proto

Model Construction

Calculation Result

Export Model

Model Basic Information

Degrees of Freedom:

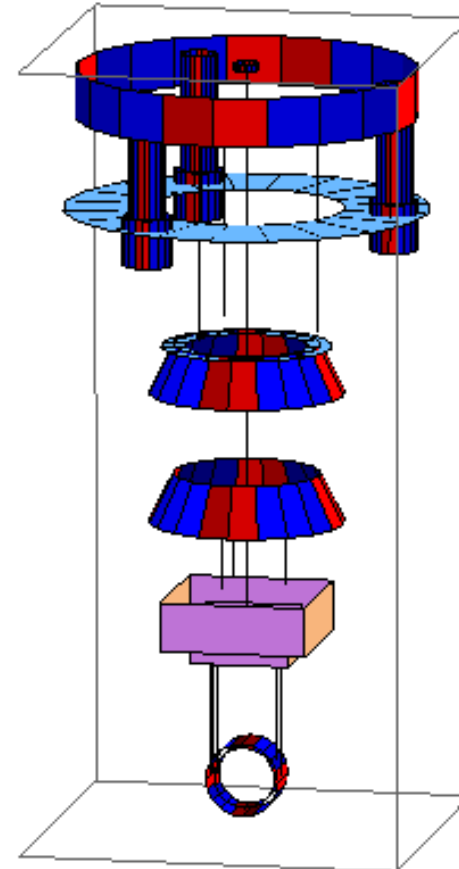
45 State Variables
6 Input Variables
3 Float Variables

Ground Position:

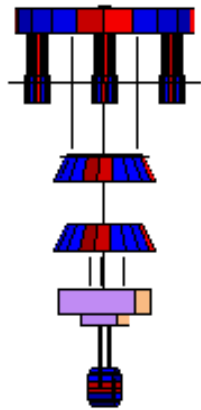
xg → 0. yg → 0. zg → 0. pitchg → 0. yawg → 0. rollg → 0.

Equilibrium Point:

xF0 → 0.	zF0 → 0.	yawF0 → 0.	xMD → 0.	yMD → -0.572	zMD → 0.
pitchMD → 0.	yawMD → 0.	rollMD → 0.	xF1 → 0.	yF1 → -0.665	zF1 → 0.
pitchF1 → 0.	yawF1 → 0.	rollF1 → 0.	xF2 → 0.	yF2 → -1.1984	zF2 → 0.
pitchF2 → 0.	yawF2 → 0.	rollF2 → 0.	xIR → 0.	yIR → -1.6936	zIR → 0.
pitchIR → 0.	yawIR → 0.	rollIR → 0.	xIM → 0.	yIM → -1.7699	zIM → 0.
pitchIM → 0.	yawIM → 0.	rollIM → 0.	xRM → 0.	yRM → -2.3569	zRM → 0.
pitchRM → 0.	yawRM → 0.	rollRM → 0.	xTM → 0.	yTM → -2.3569	zTM → 0.
pitchTM → 0.	yawTM → 0.	rollTM → 0.	hGAS0 → 0.	hGAS1 → 0.	hGAS2 → 0.

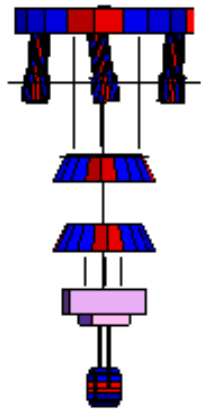


0.05Hz [More](#)



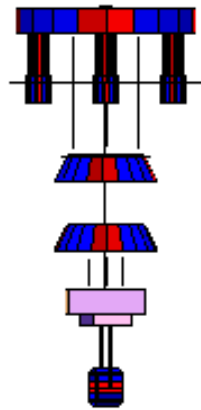
#1

0.123Hz [More](#)



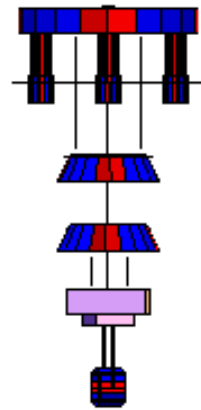
#4

0.139Hz [More](#)



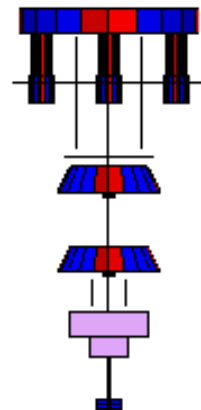
#5

0.162Hz [More](#)



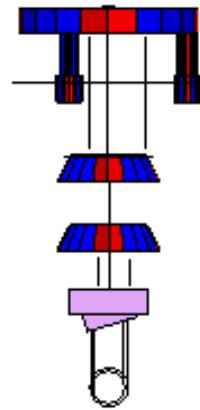
#6

0.249Hz [More](#)



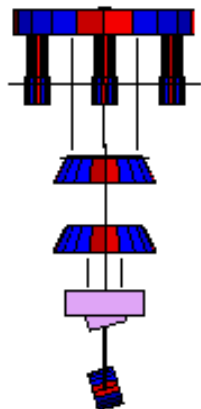
#7

0.302Hz [More](#)



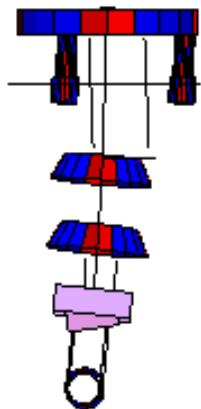
#8

0.342Hz [More](#)



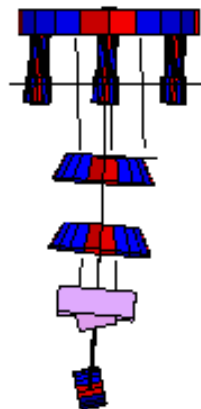
#9

0.409Hz [More](#)



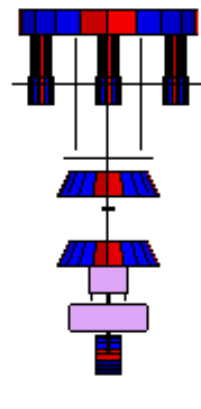
#10

0.411Hz [More](#)



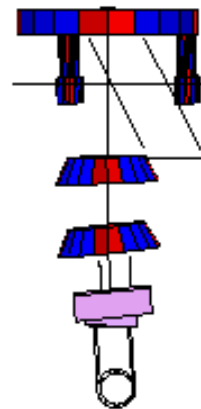
#11

0.525Hz [More](#)



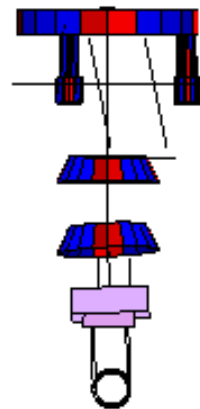
#12

0.547Hz [More](#)



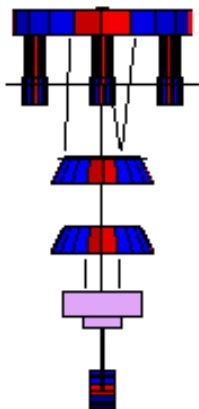
#13

0.547Hz [More](#)



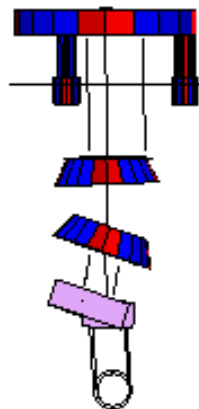
#14

0.55Hz [More](#)



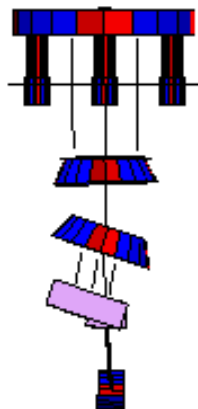
#15

0.574Hz [More](#)



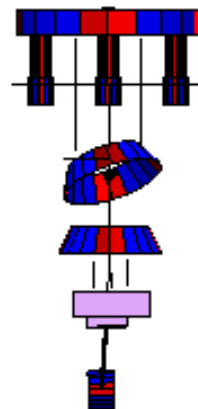
#16

0.579Hz [More](#)



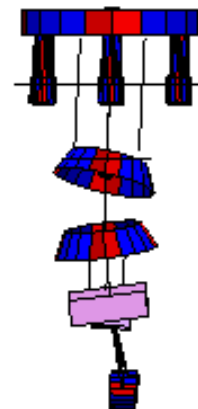
#17

0.589Hz [More](#)



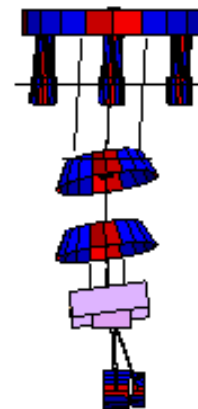
#18

0.633Hz [More](#)



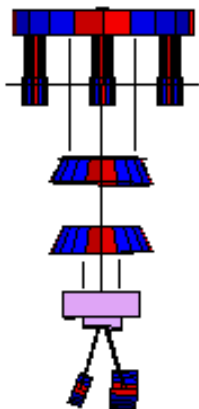
#19

0.648Hz [More](#)



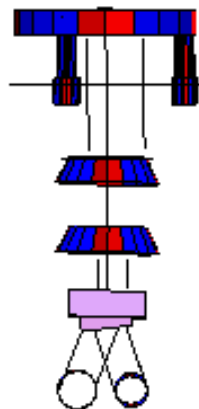
#20

0.657Hz [More](#)



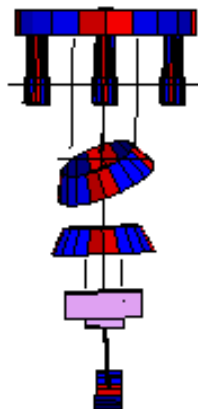
#21

0.658Hz [More](#)



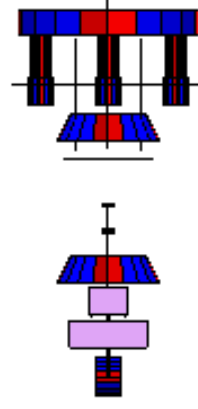
#22

0.686Hz [More](#)



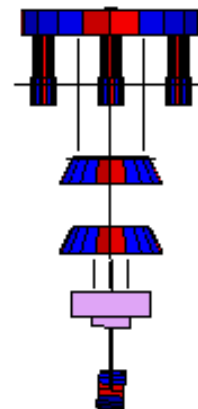
#23

0.792Hz [More](#)



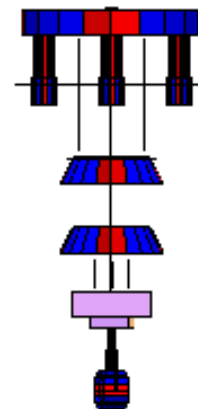
#24

0.816Hz [More](#)



#25

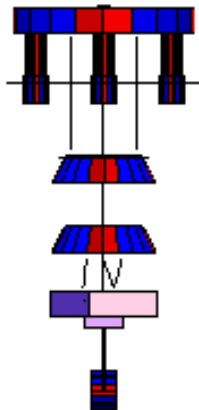
1.001Hz [More](#)



#26

1.032Hz

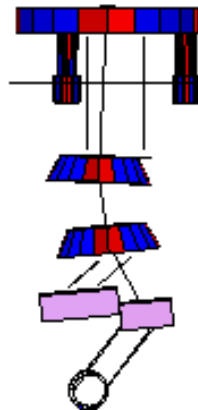
[More](#)



#27

1.184Hz

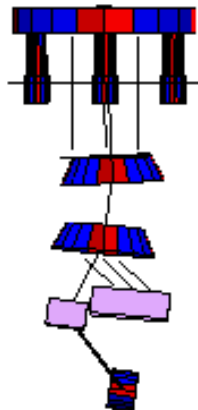
[More](#)



#28

1.185Hz

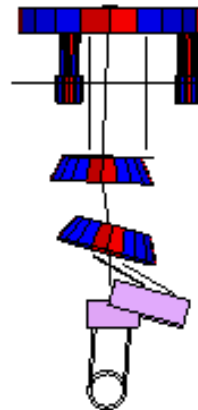
[More](#)



#29

1.21Hz

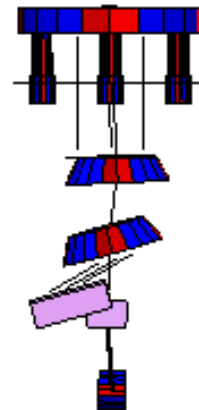
[More](#)



#30

1.213Hz

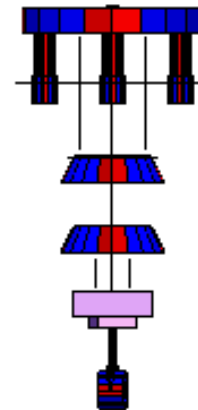
[More](#)



#31

1.38Hz

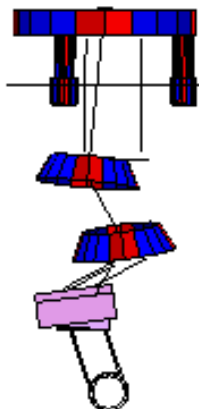
[More](#)



#32

1.474Hz

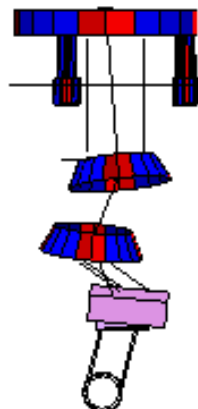
[More](#)



#33

1.476Hz

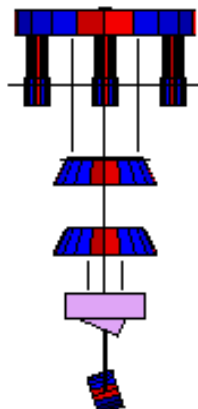
[More](#)



#34

4.856Hz

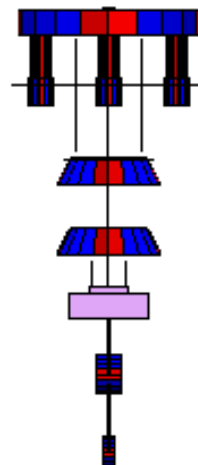
[More](#)



#35

11.32Hz

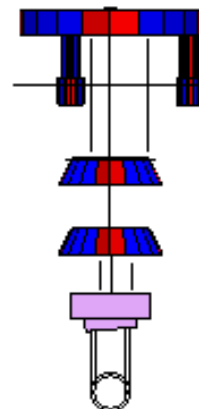
[More](#)



#36

15.528Hz

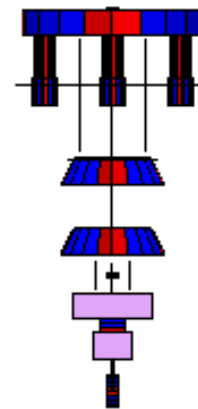
[More](#)



#37

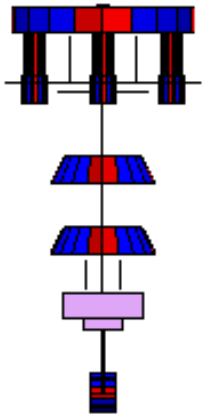
46.957Hz

[More](#)



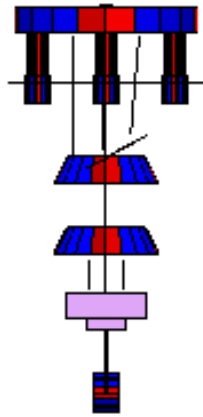
#38

50.551Hz [More](#)



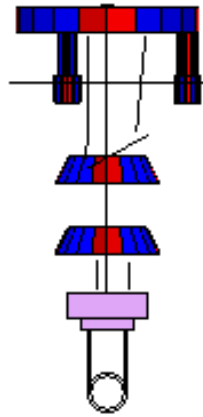
#39

51.942Hz [More](#)



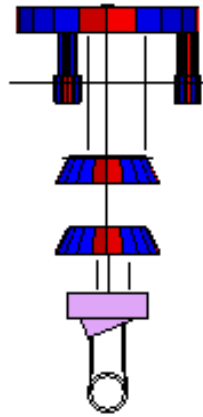
#40

51.942Hz [More](#)



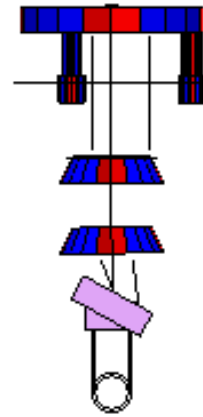
#41

62.748Hz [More](#)



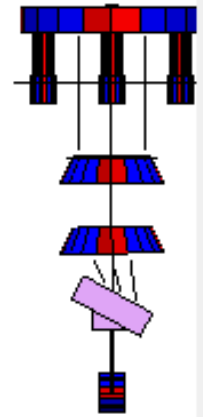
#42

97.285Hz [More](#)



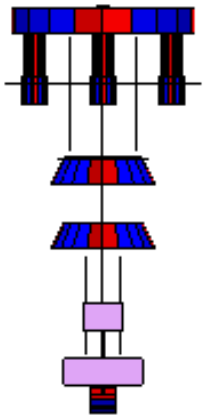
#43

100.507Hz



#44

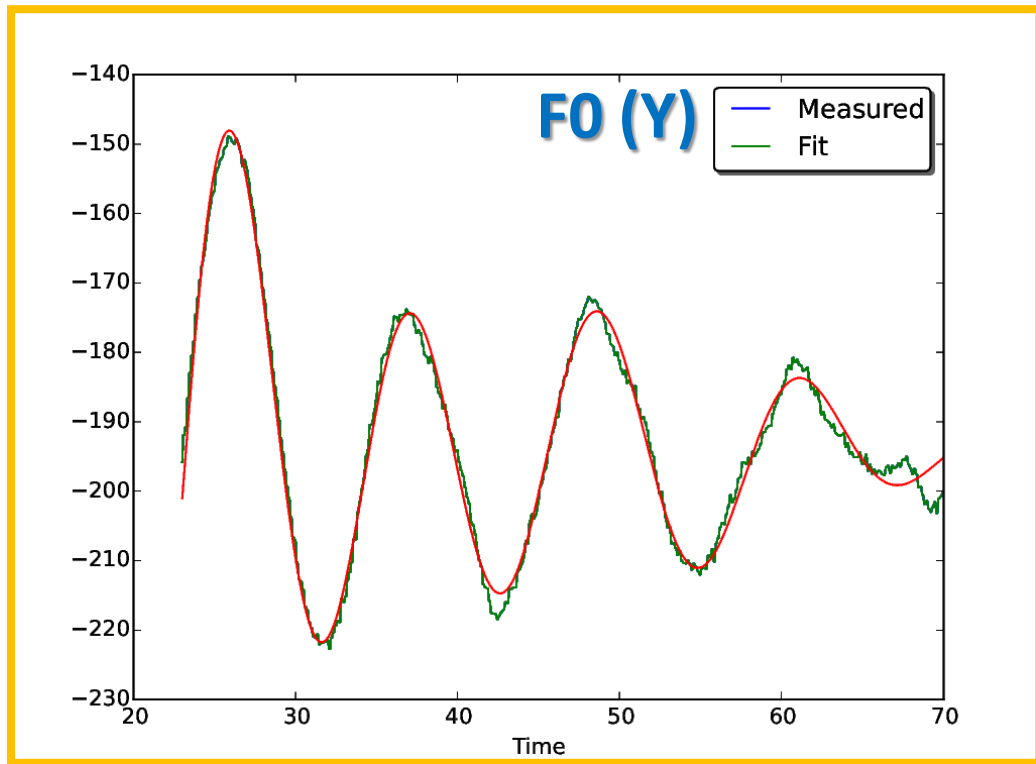
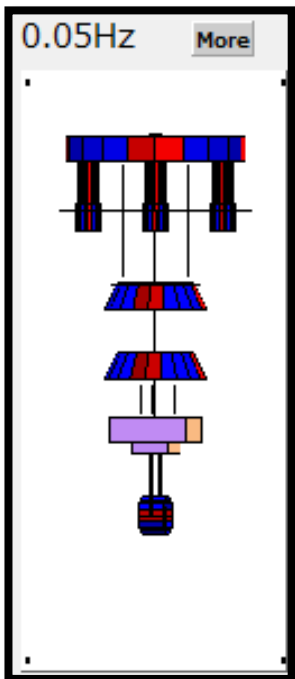
126.75Hz [More](#)



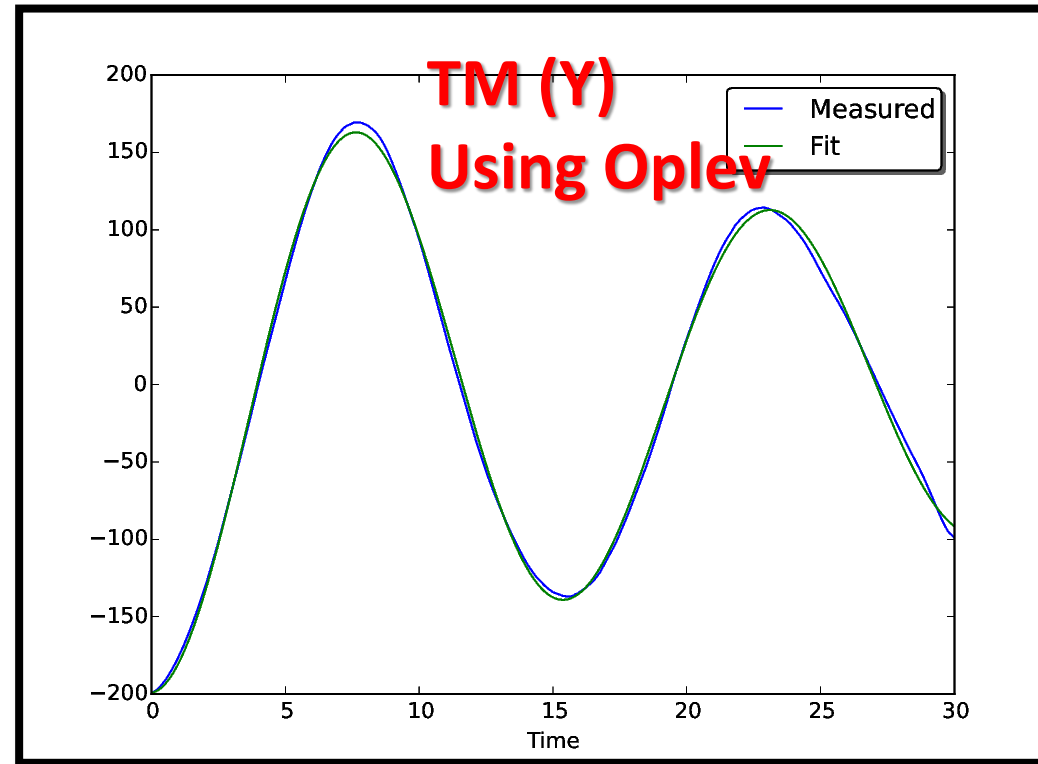
#45

Without damping

#1



With damping



150723_F0_Y_0061_100_20fitlog2expMODE1.py

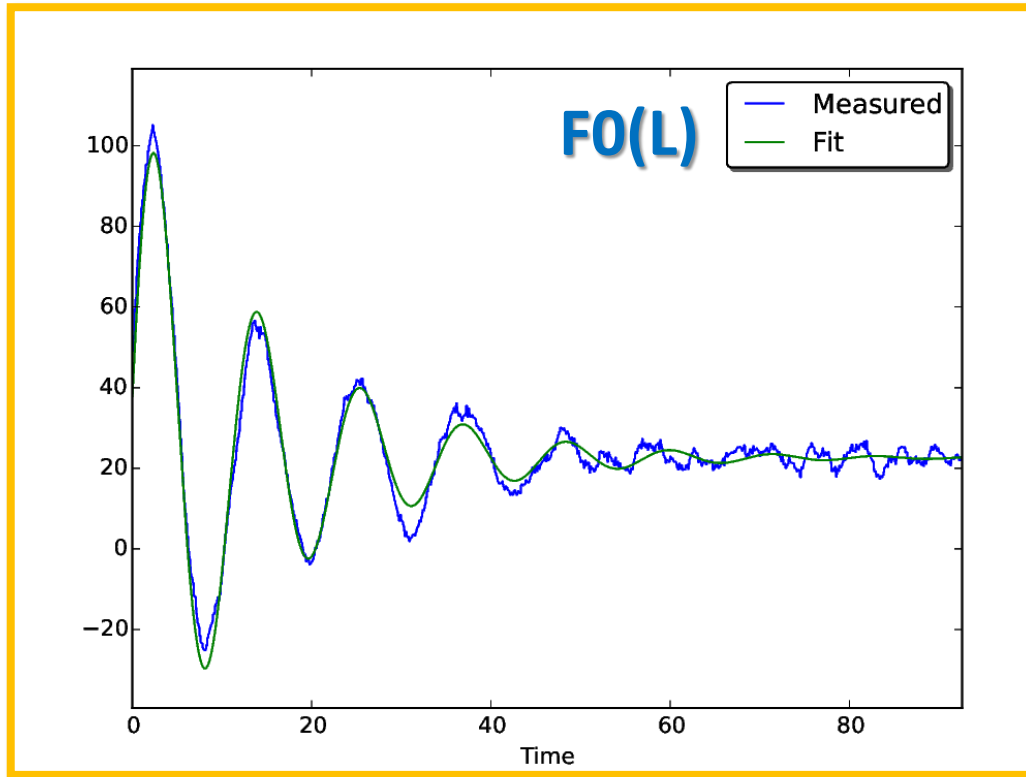
150723_F0_Y_0061_100_20modMODE1v2.txt

150805_F0_Y_0061fitlog1expMODE1.py

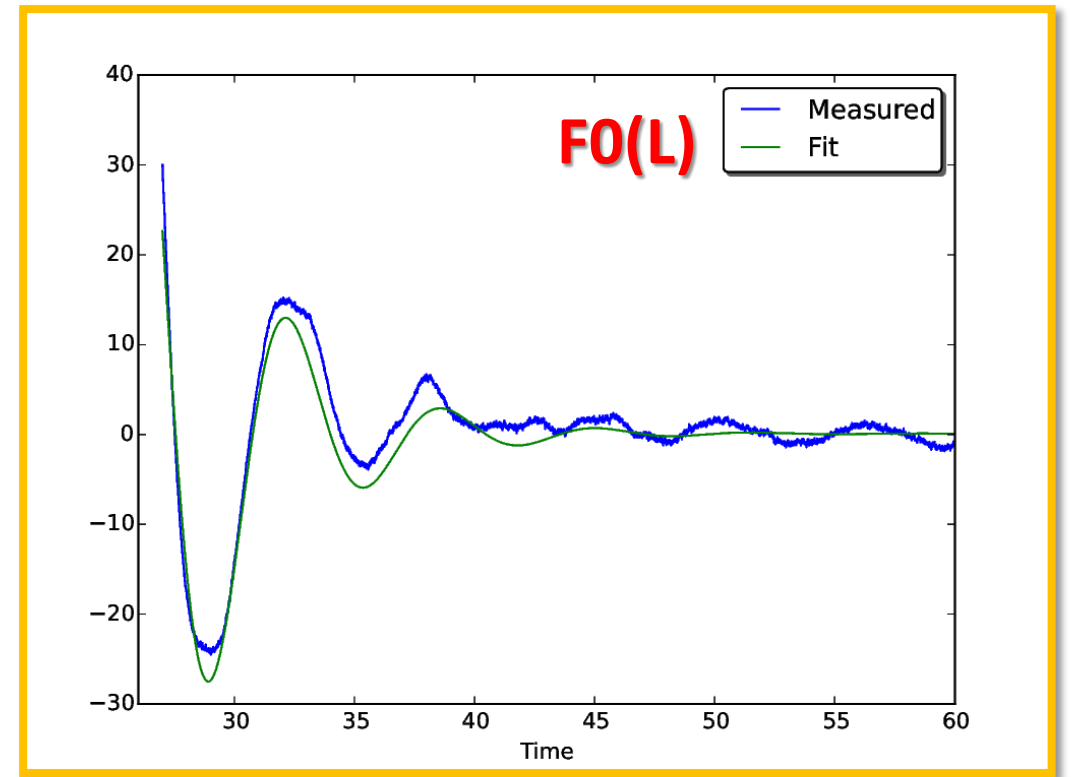
150805_F0_Y_0061oplevmodMODE1.txt

#2/#3

Without damping



With damping



150723_F0_L_007026_100_15fitlog.py

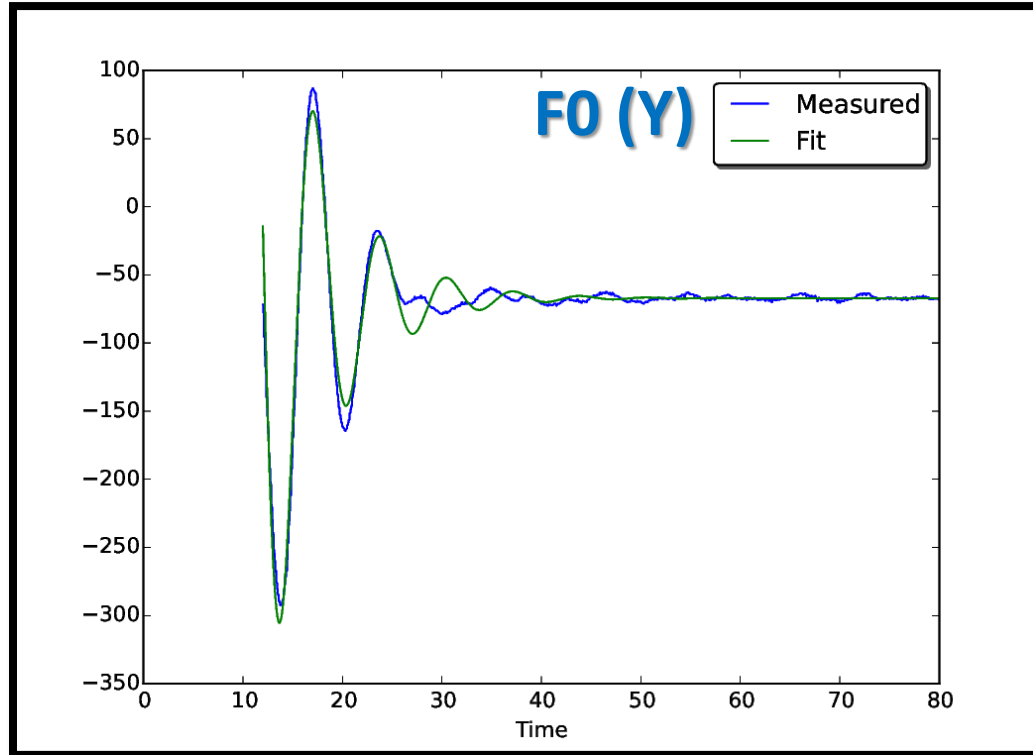
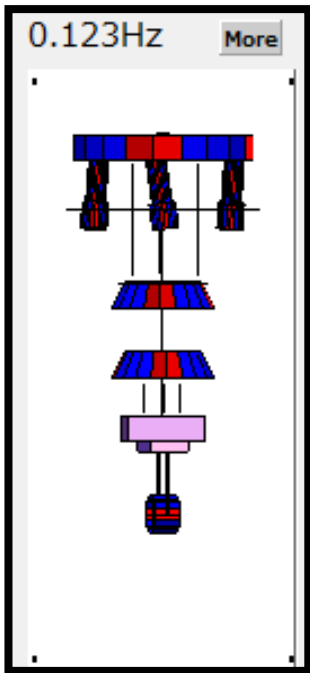
150722_F0_L_007026_100_15.txt

150730_F0_L_0101fitlog1expMODE2or3.py

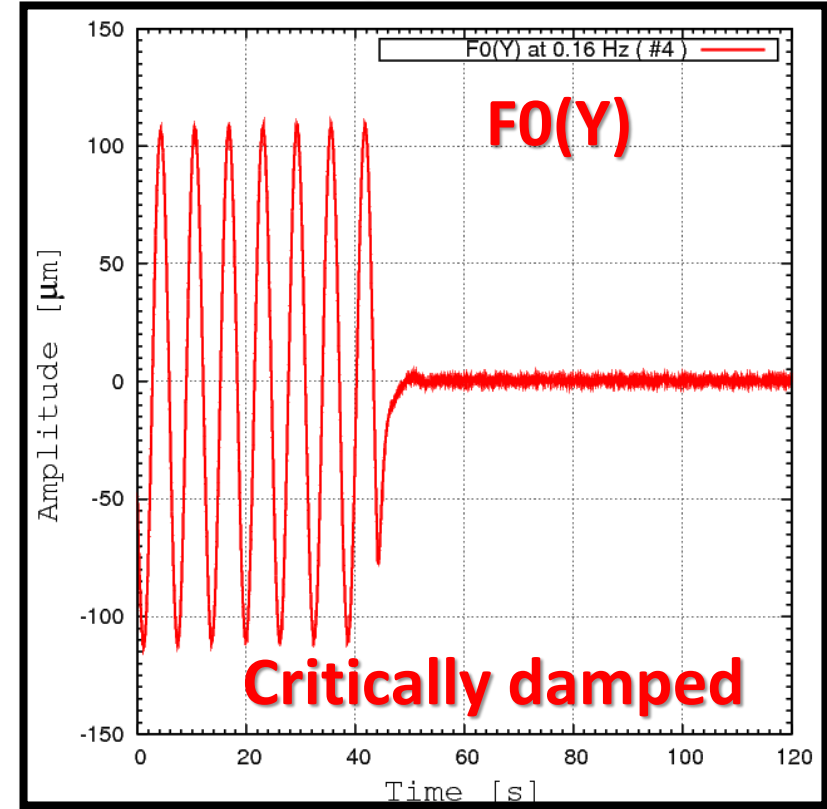
150729_F0L_0101modMODE2or3.txt

Without damping

#4



With damping



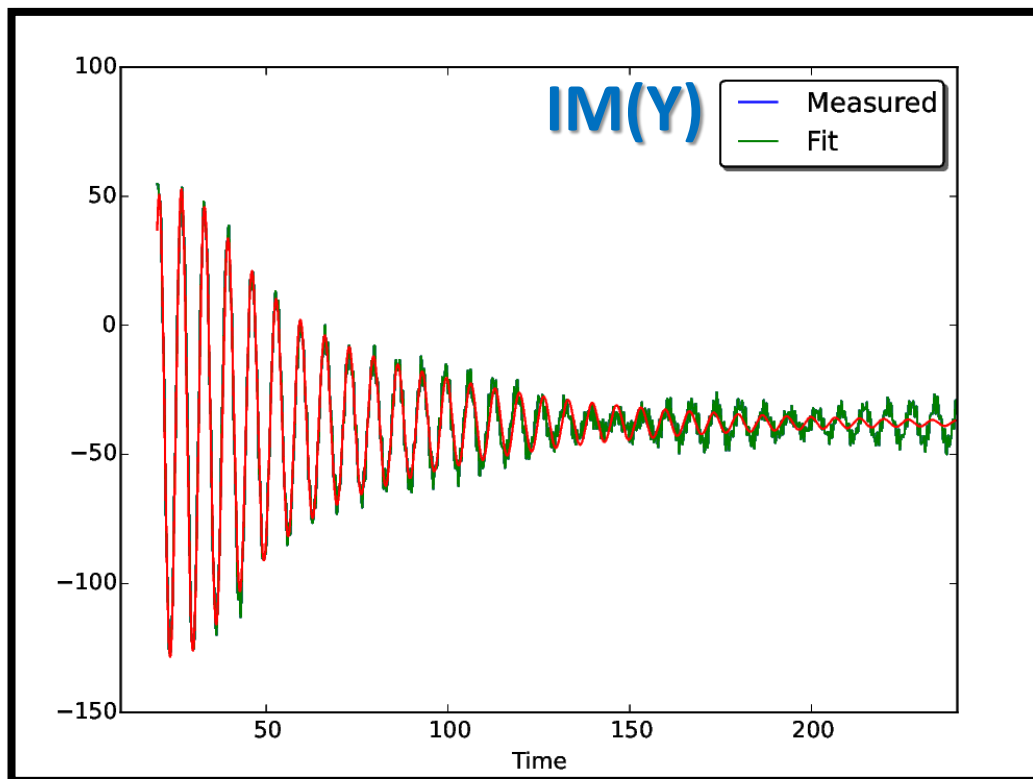
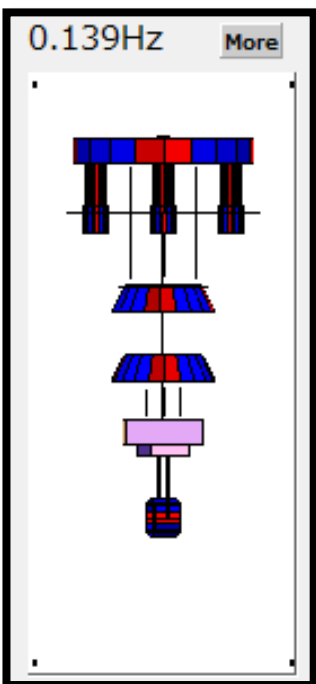
150723_F0_Y_014_150_15fitlogMODE4.py

150722_F0_Y_014_150_15modMODE4.txt

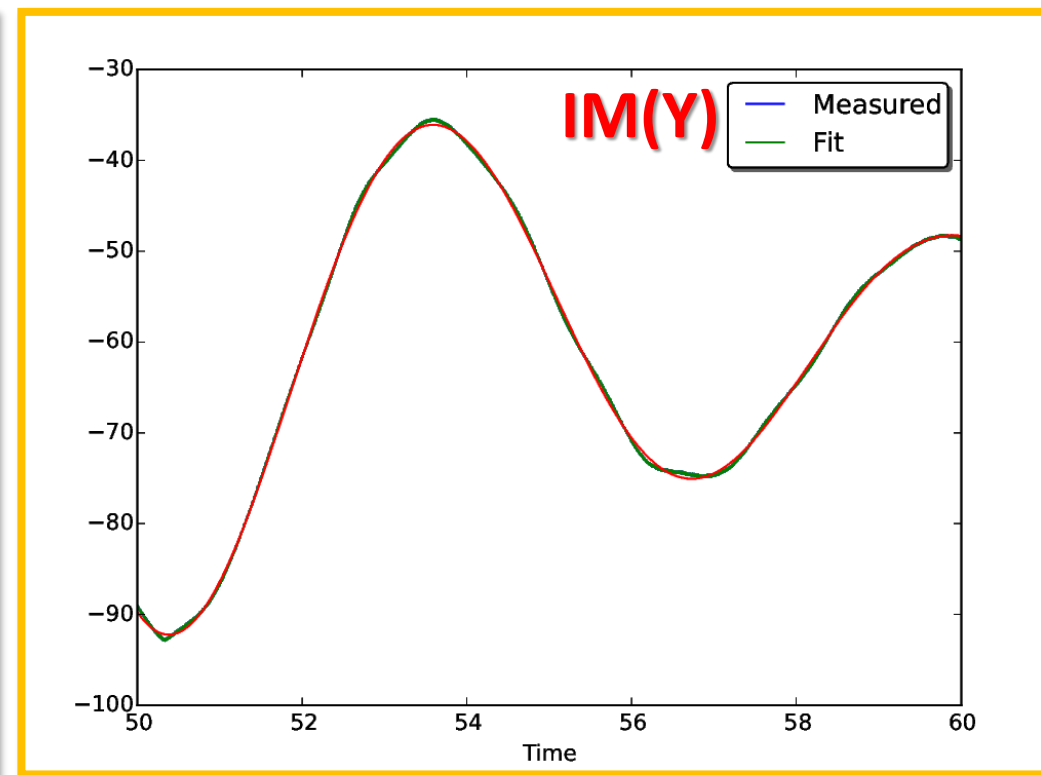
150730_F0Y_0160.txt

Without damping

#5



With damping



[150727_F0_Y_0139_200_20fitlog2expMODE5.py](#)

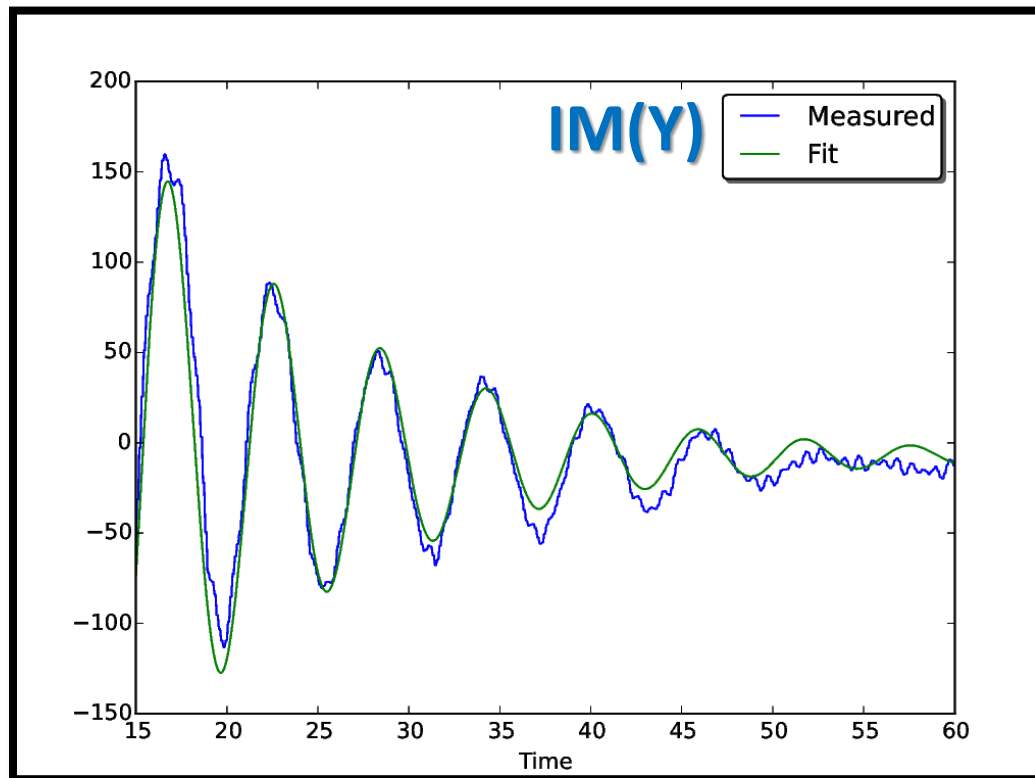
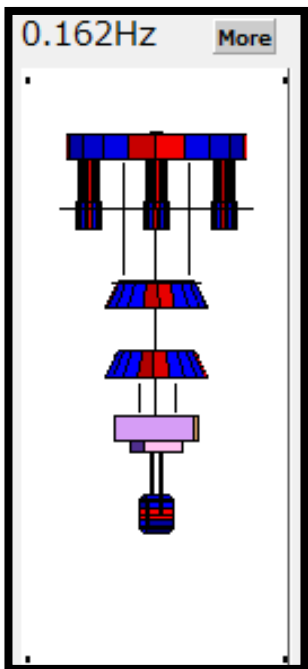
[150726_F0_Y_0139_200_20modMODE5.txt](#)

[150730_F0_Y_0160fitlog2expIMMODE5or6.py](#)

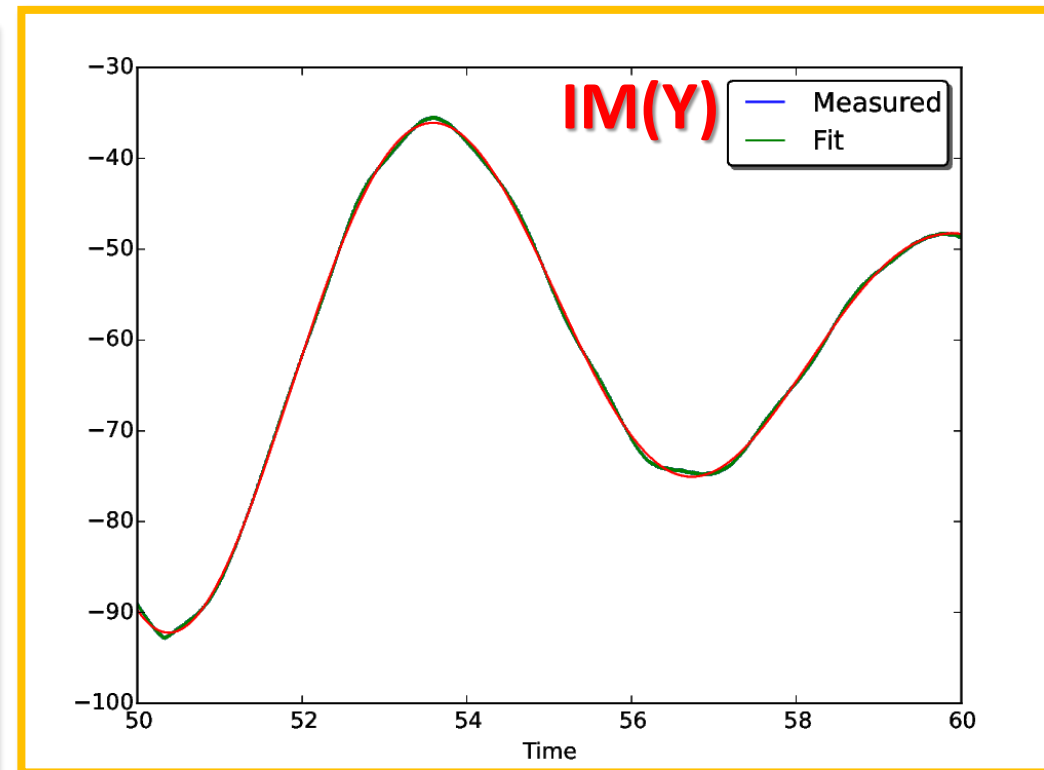
[150730_F0Y_0160modMODE4or5.txt](#)

Without damping

#6



With damping



150718_IM_Y_015625_50_20fitlogMODE6.py

150717_IM_Y_015625_50_20modMODE6.txt

150730_F0_Y_0160fitlog2expIMMODE5or6.py

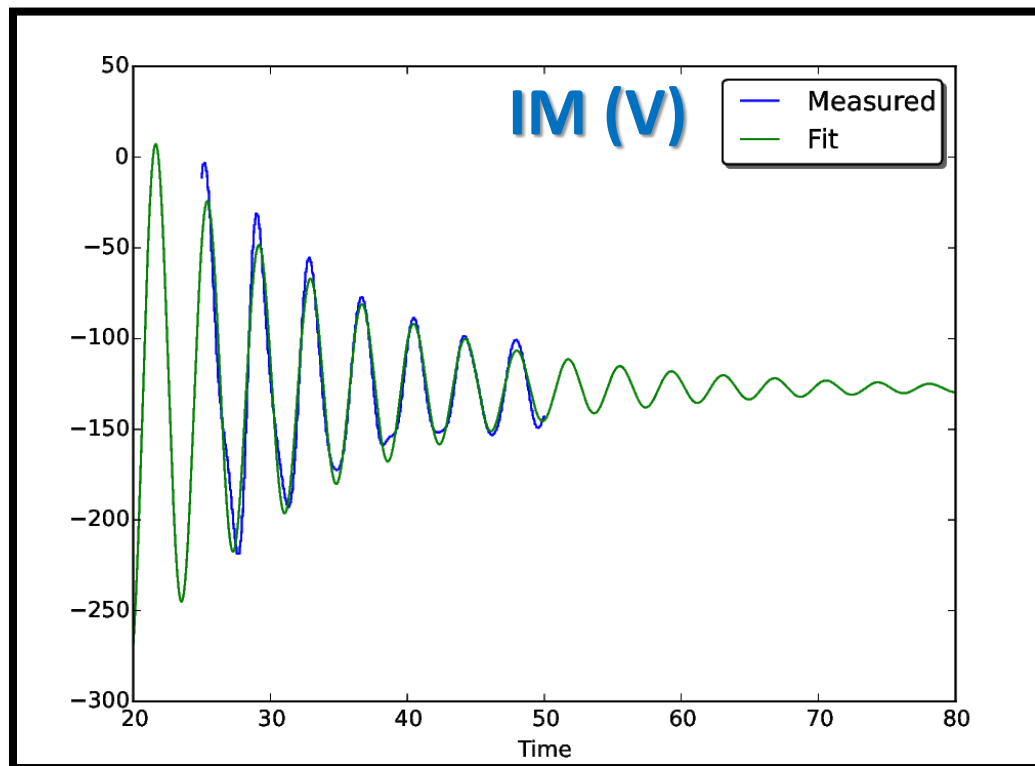
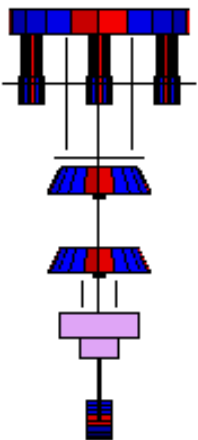
150730_F0Y_0160modMODE4or5.txt

Without damping

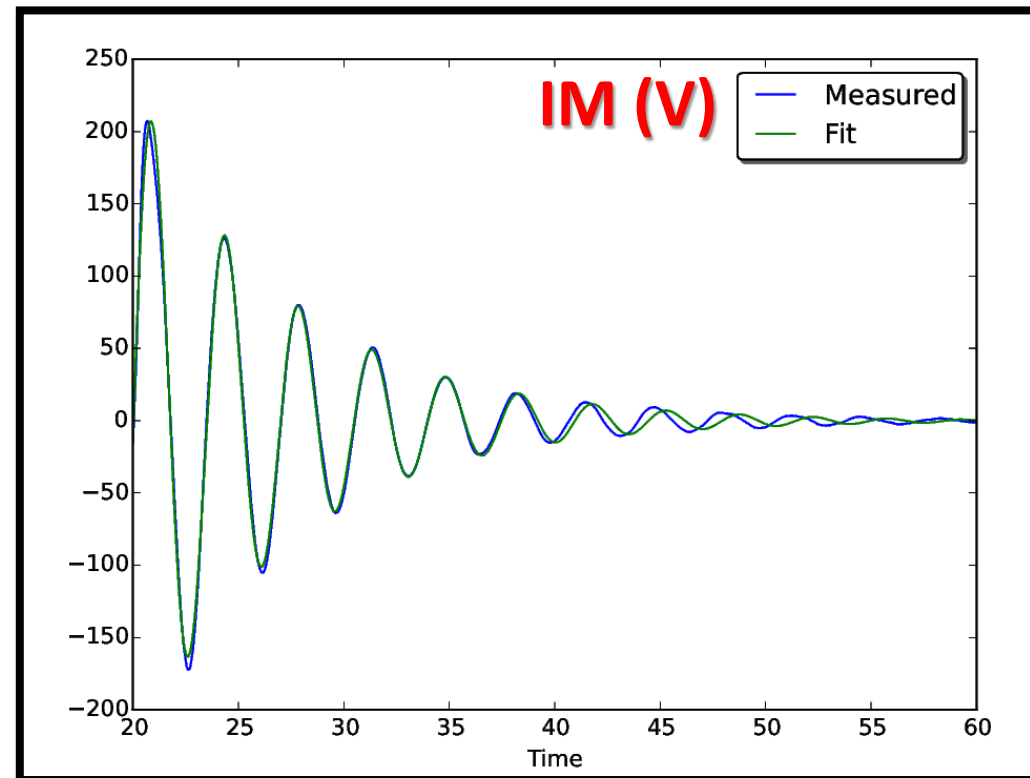
#7

0.249Hz

More



With damping



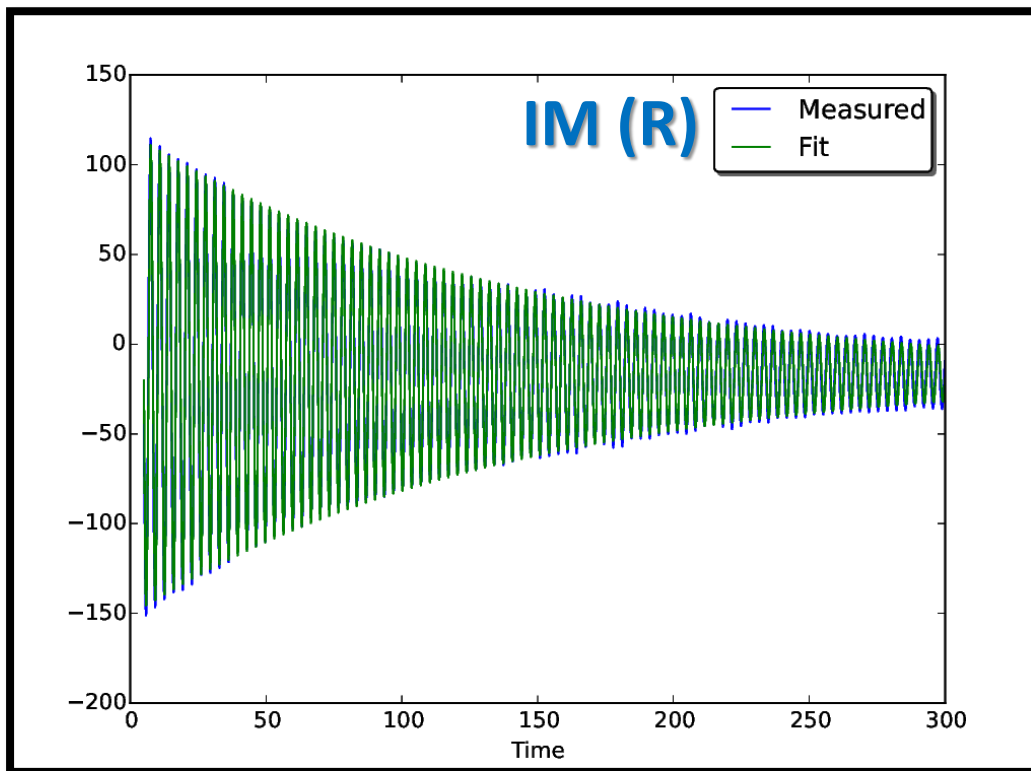
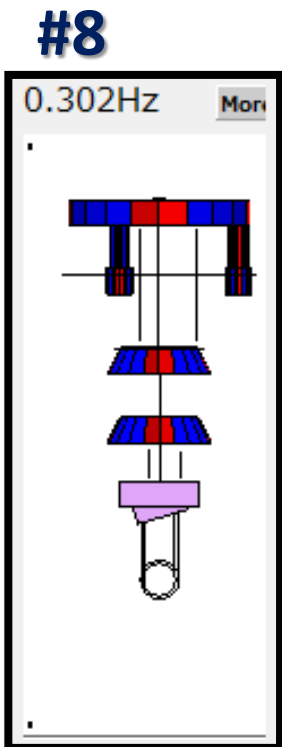
150718_IM_V_0265_70_20fitlog_modMODE7.py

150716_IM_V_0265_70_20modMODE7.txt

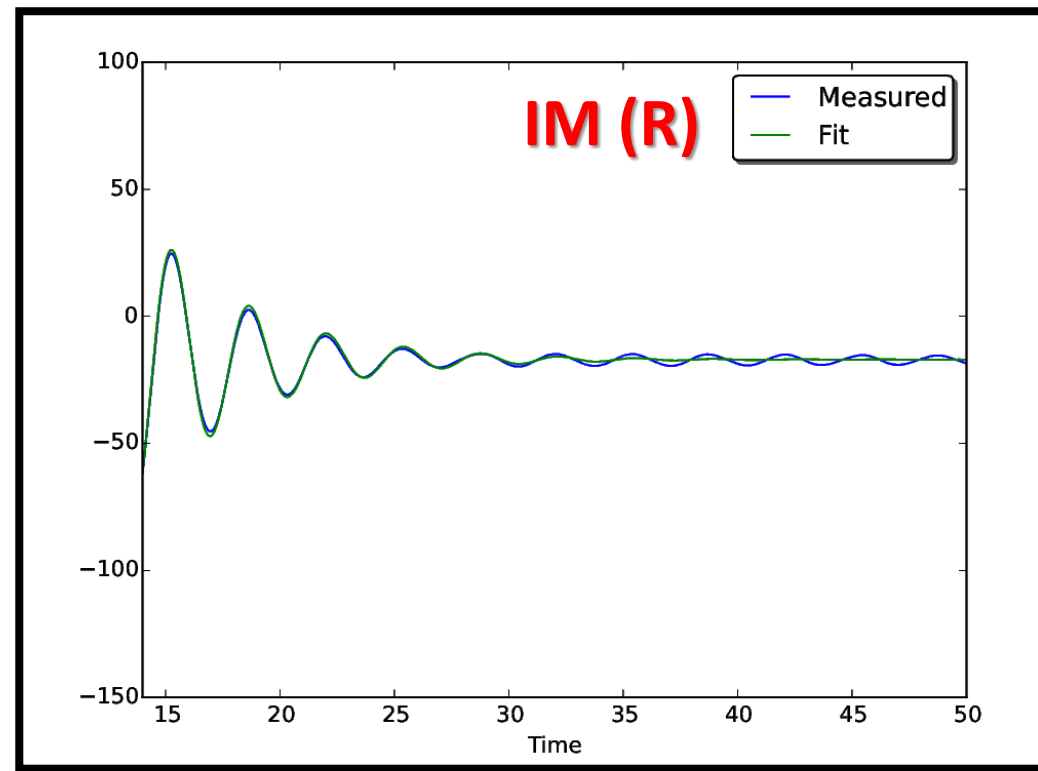
150730_F0_V_0263fitlog1expMODE7.py

150730_F0V_0263modMODE7.txt

Without damping



With damping



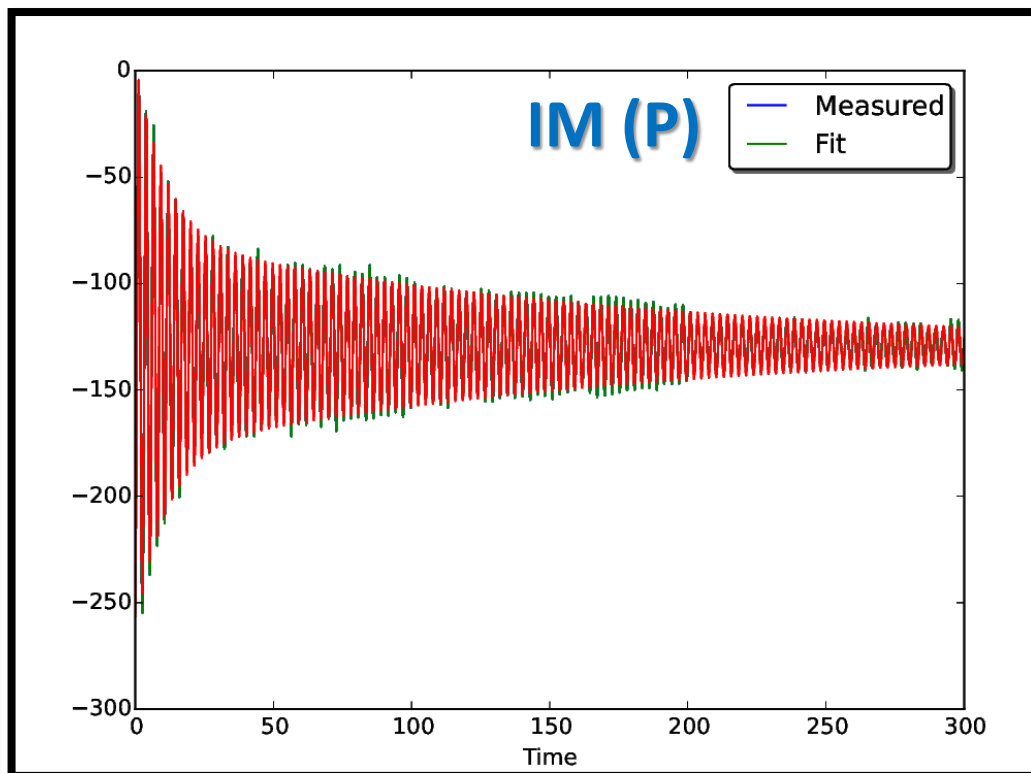
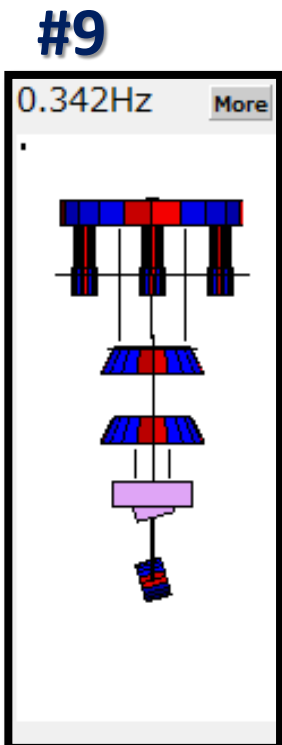
150718_IM_R_03125_10_20fitlogMODE8.py

150717_IM_R_03125_10_20modMODE8.txt

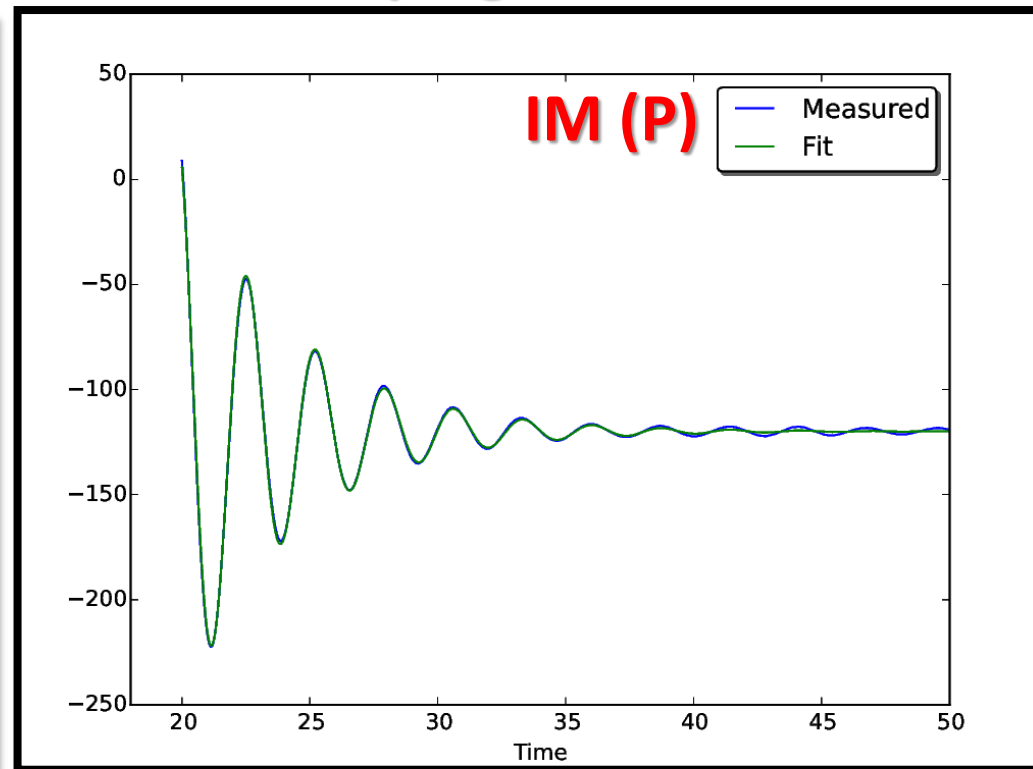
150730_IM_R_0296fitlog1expMODE8.py

150729_IMR_0296modMODE8.txt

Without damping



With damping



150718_IM_P_0359_20_10fitlog2MODE9.py

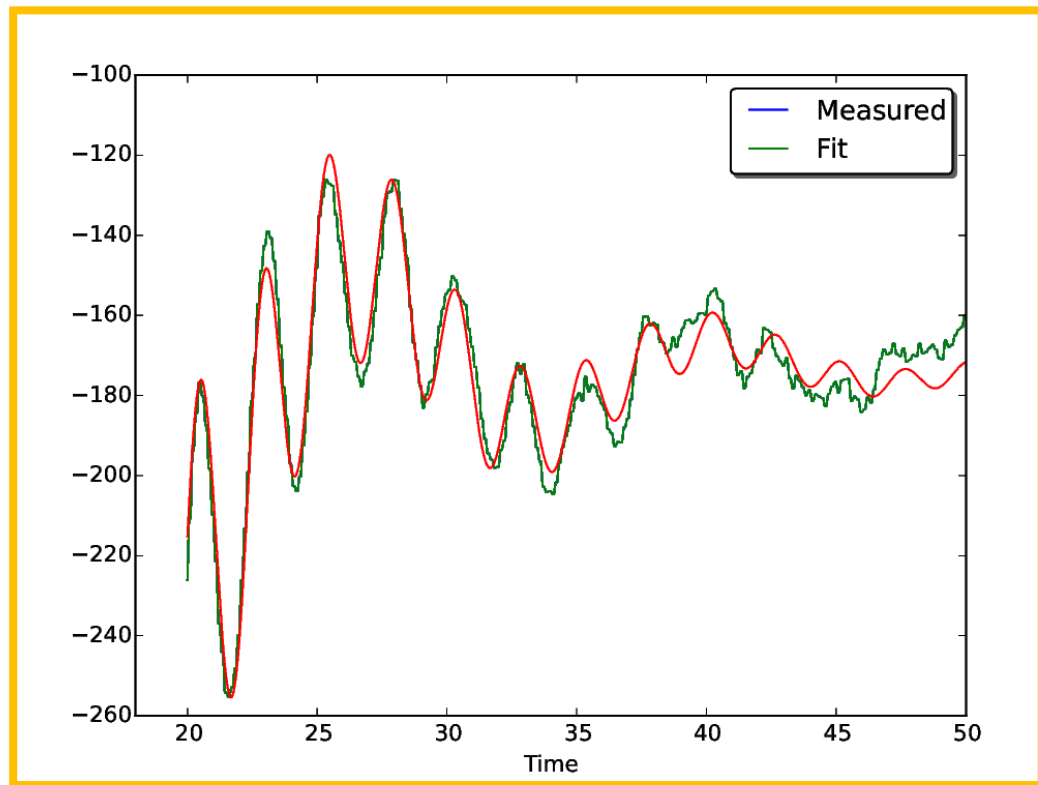
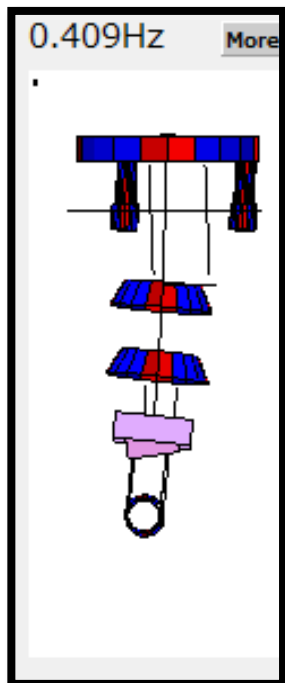
150717_IM_P_0359_20_10MODE9.txt

150730_IM_P_0375fitlog1expMODE9.py

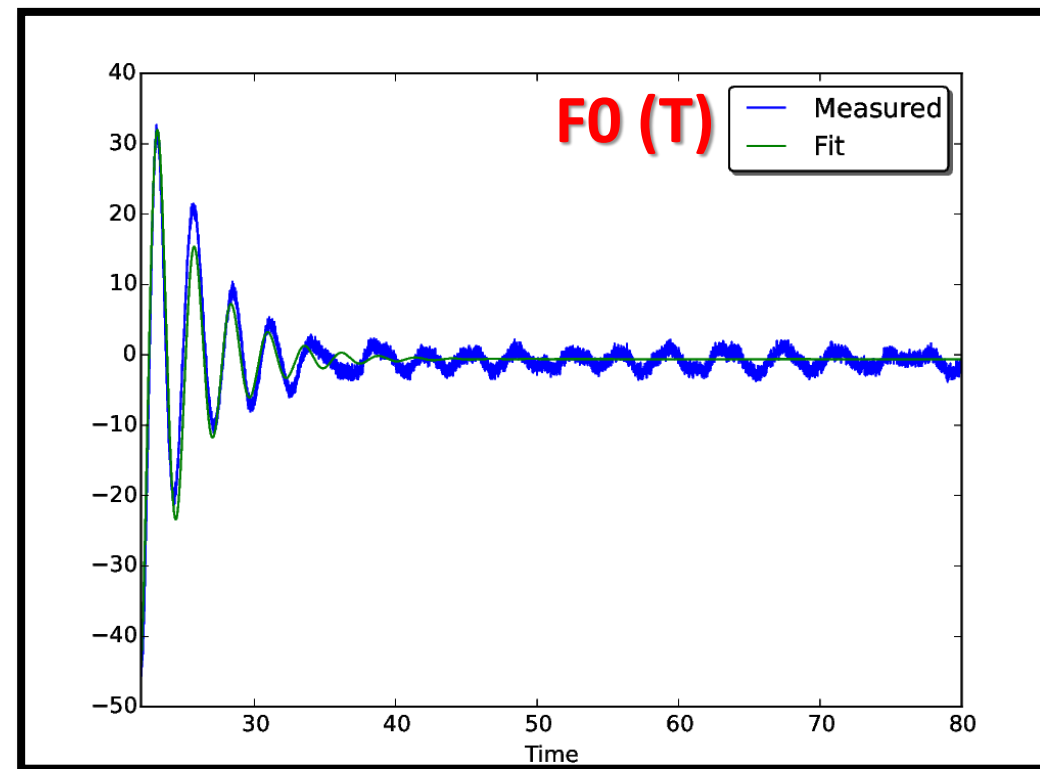
150729_IMP_0375modMODE9.txt

Without damping

#10



With damping



[150724_F0_T_04175_500_20fitlog2expMODE10.py](#)

[150723_F0_T_04175_500_20modMODE10.txt](#)

[150815_F0_T_0412_ramp4fitlog1expF0TMODE10.py](#)

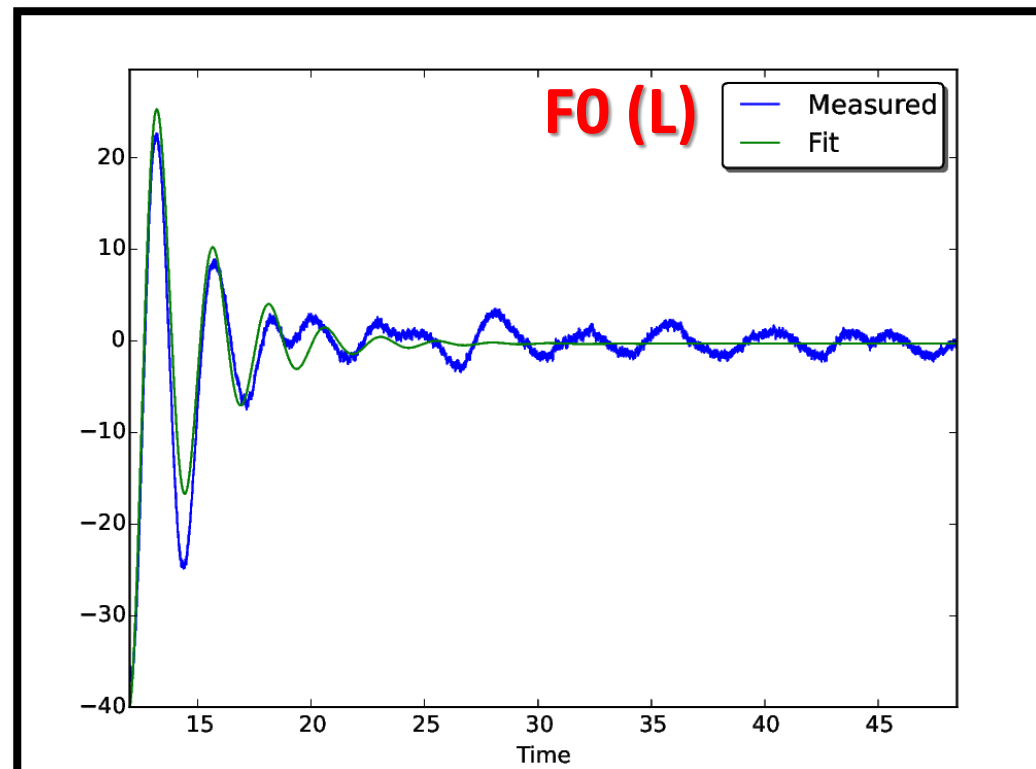
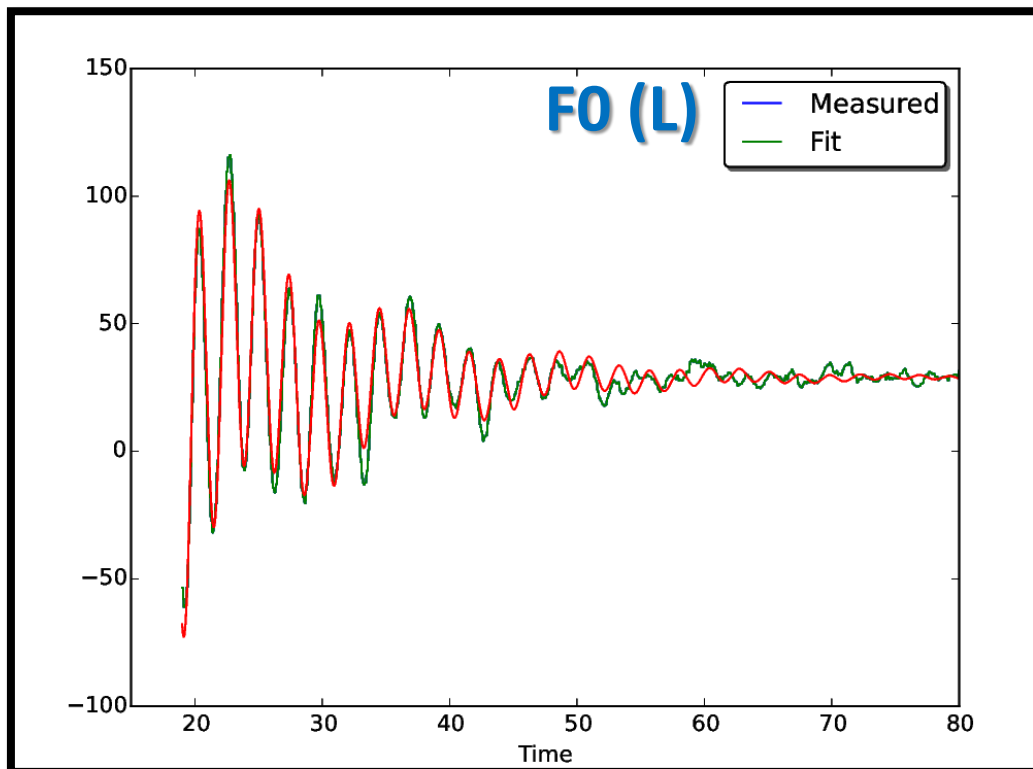
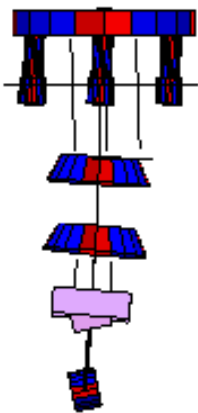
[150814_F0_T_0412_ramp4modMODE10.txt](#)

Without damping

With damping

#11

0.411Hz [More](#)



[150723_F0_L_04175_500_20fitlog1expMODE11.py](#)

[150722_F0_L_04175_400_20modMODE11.txt](#)

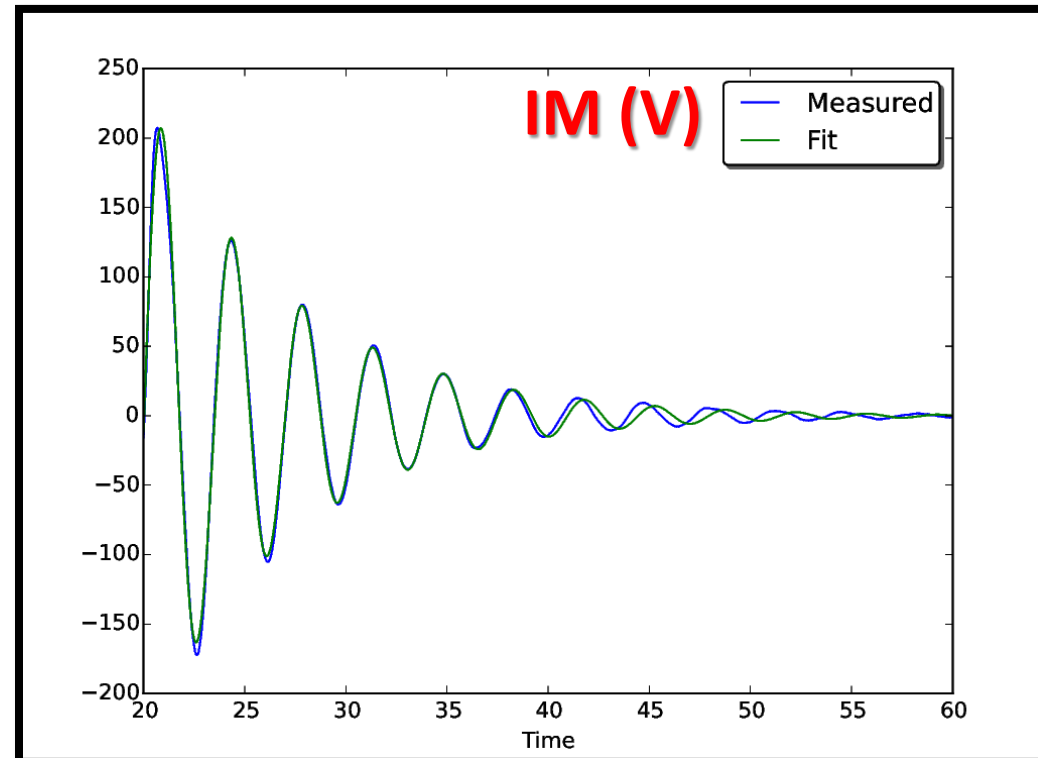
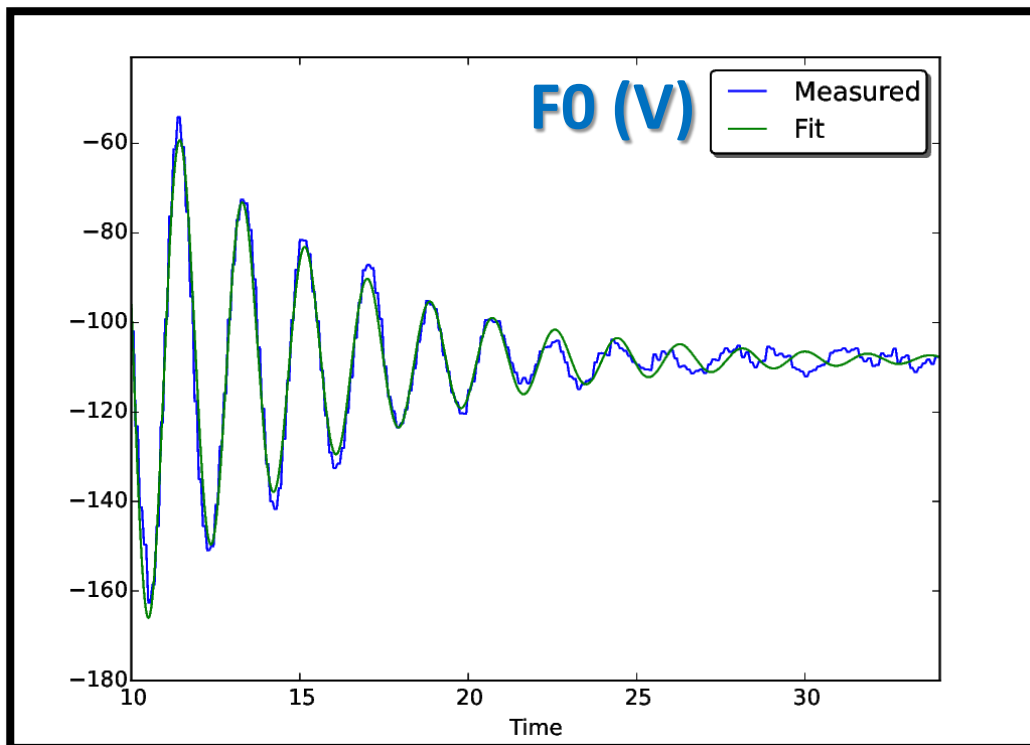
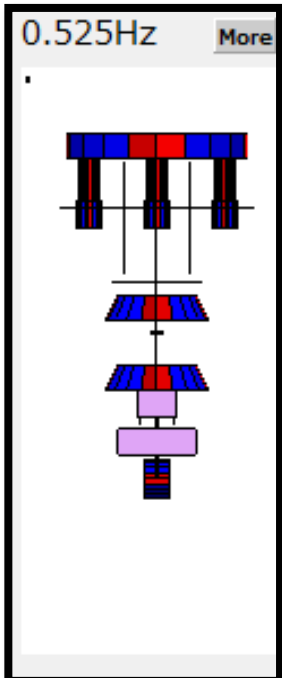
[150815_F0_L_0436_ramp4fitlog1expF0LMODE11.py](#)

[150814_F0_L_0436_ramp4modMODE11.txt](#)

Without damping

With damping

#12



[150723_F0_V_054_30_15fitlogMODE12.py](#)

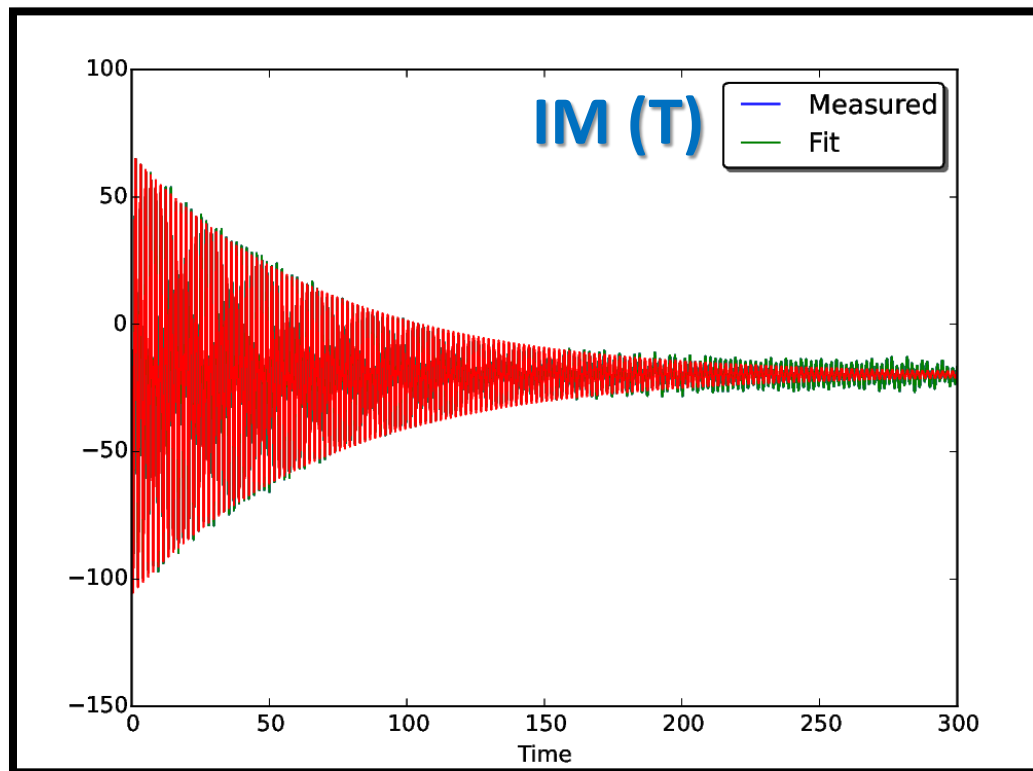
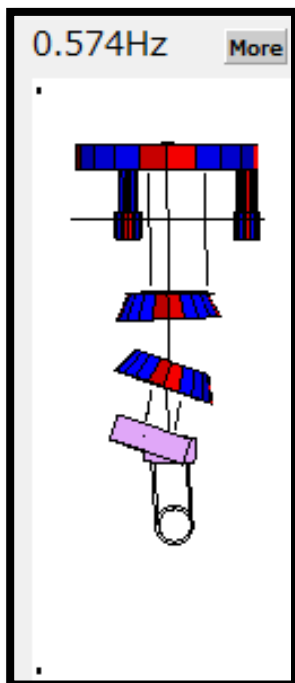
[150722_F0_V_054_30_15modMODE12.txt](#)

[150730_IMV_0545fitlog2expMODE12.py](#)

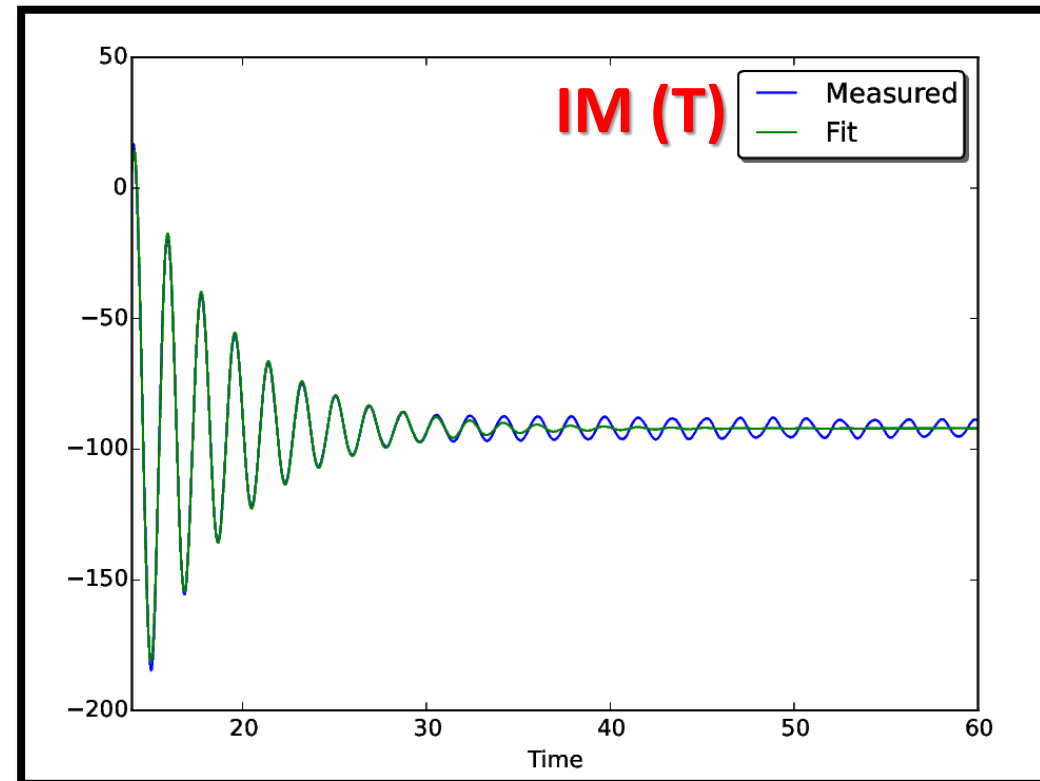
[150729_IMV_0545modMODE12.txt](#)

Without damping

#16



With damping



[150718_IM_T_0547_10_10fitlogMODE16.py](#)

[150716_IM_T_0547_10_10MODE16.txt](#)

[150911_IM_T_0545fitlog1expMODE16.py](#)

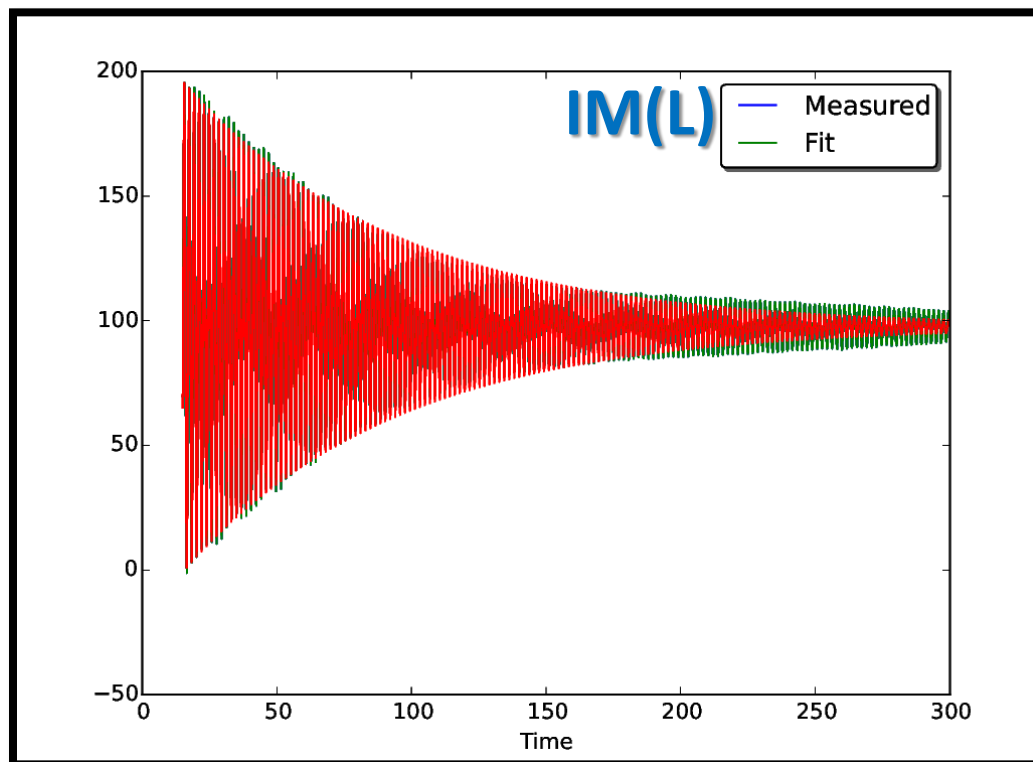
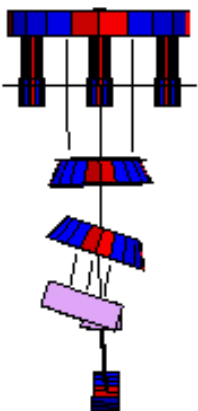
[150729_IMT_0545modMODE16.txt](#)

Without damping

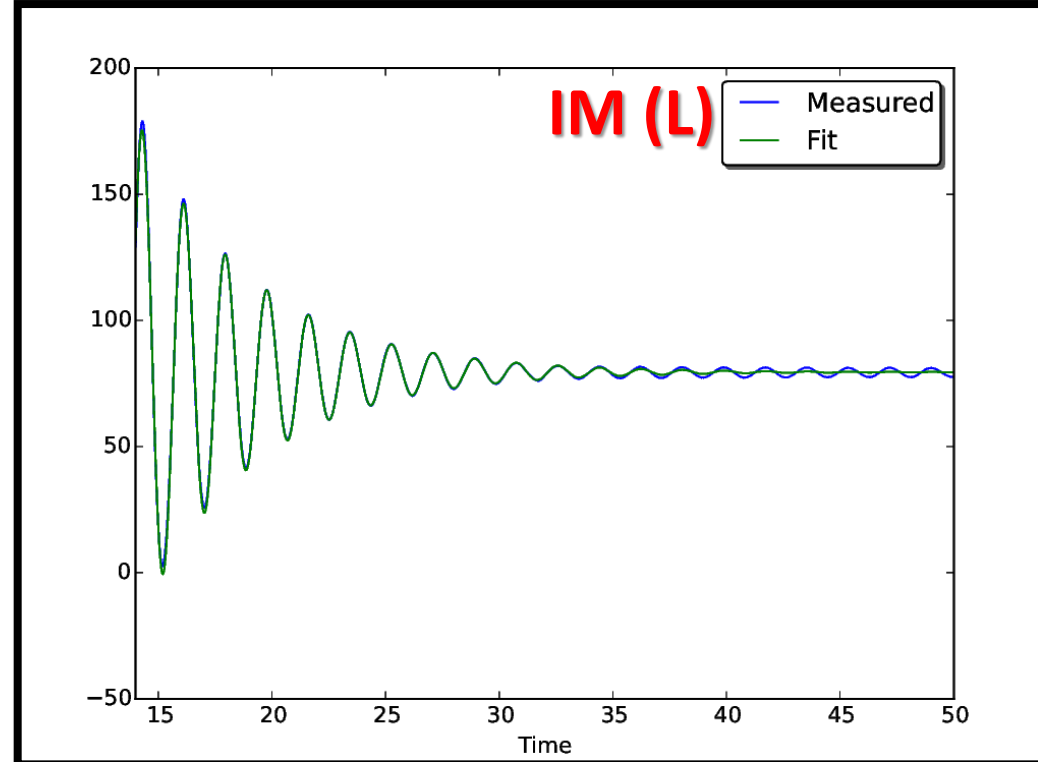
#17

0.579Hz

More



With damping



150710_IM_L_0531_10_10fitlogMODE17.py

150710_IM_L_0531_10_10modMODE17.txt

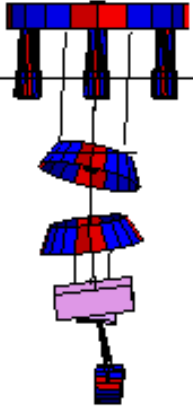
150730_IM_L_0542fitlog1expMODE17.py

150710_IM_L_0531_10_10modMODE17.txt

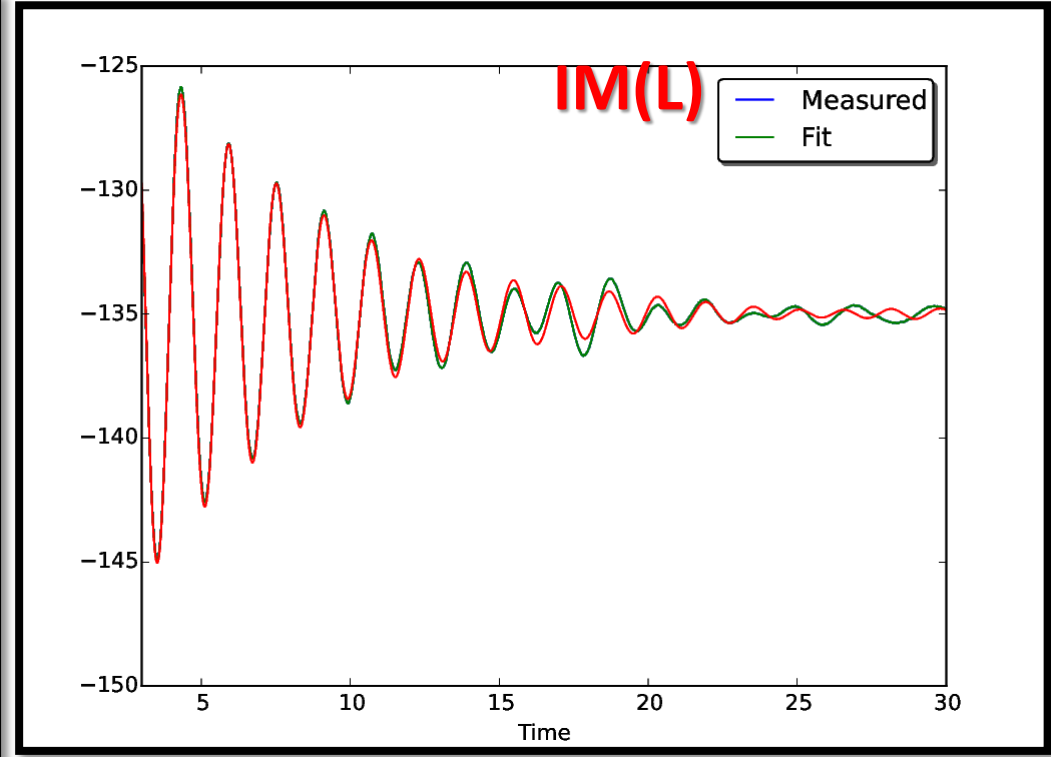
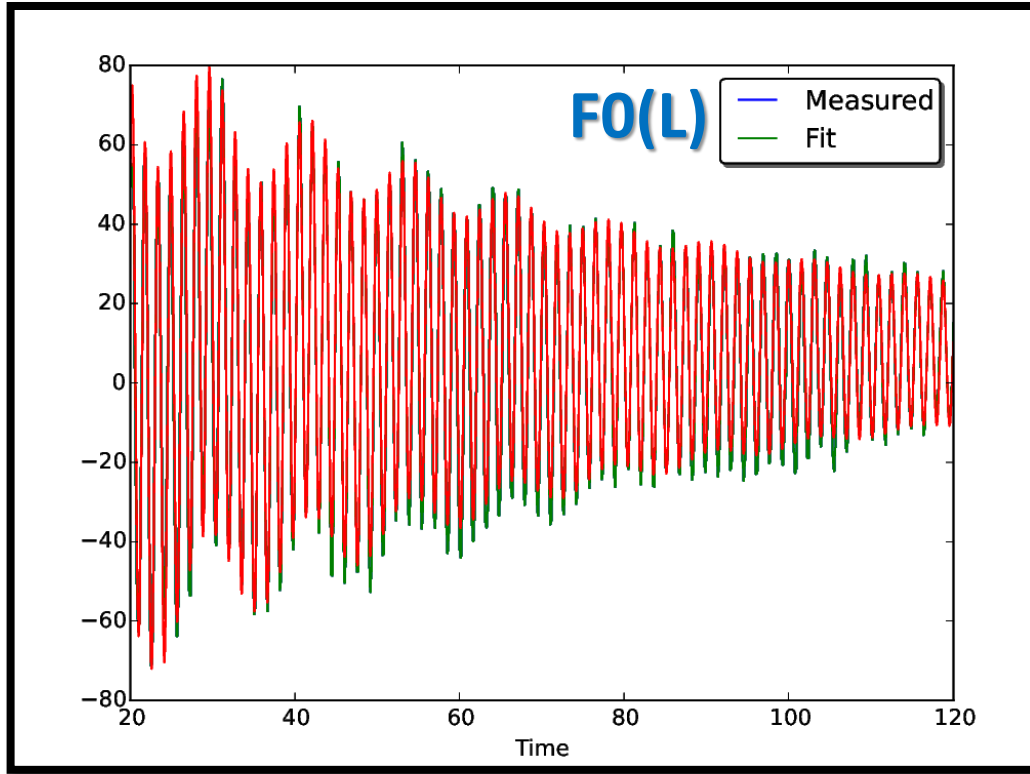
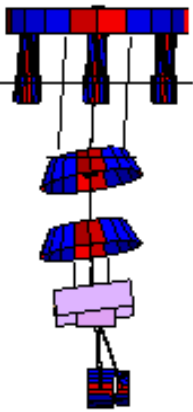
Without damping

With damping

0.633Hz More
#19/#20



0.648Hz More



150723_F0_L_064_600_20fitlog2expMODE19or20.py

150722_F0_L_0640_600_20modMODE19or20.txt

150808_F0_L_0651fitlog2expIMLMODE19or20.py

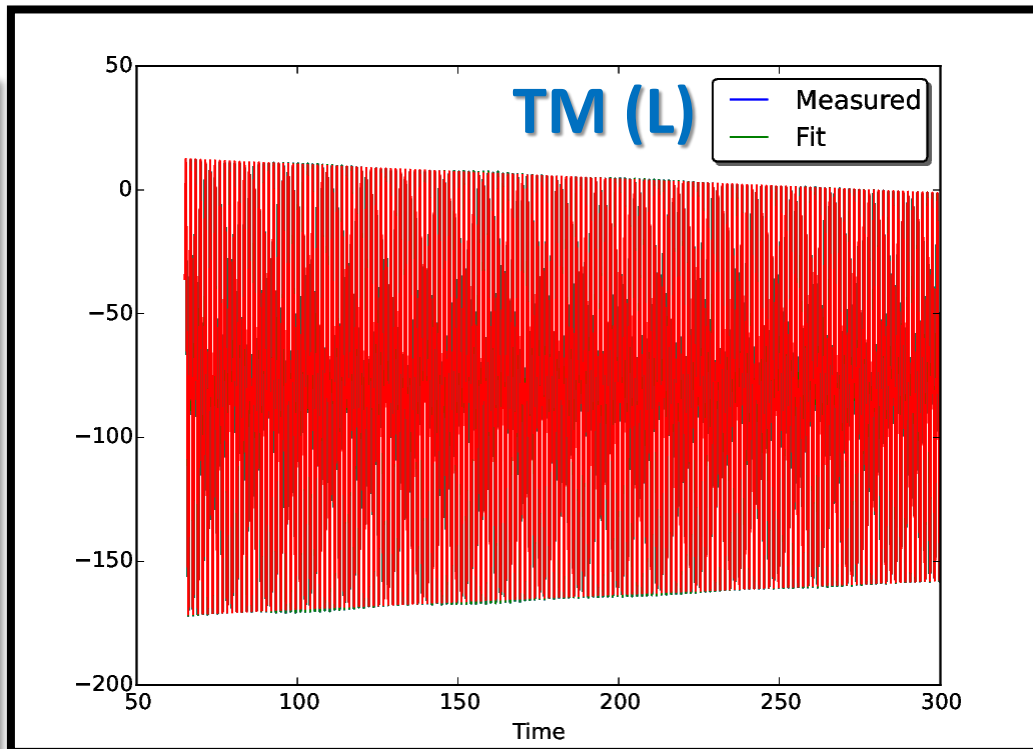
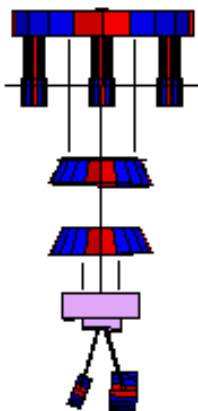
1150807_F0_L_0651modMODE19or20.txt

Without damping

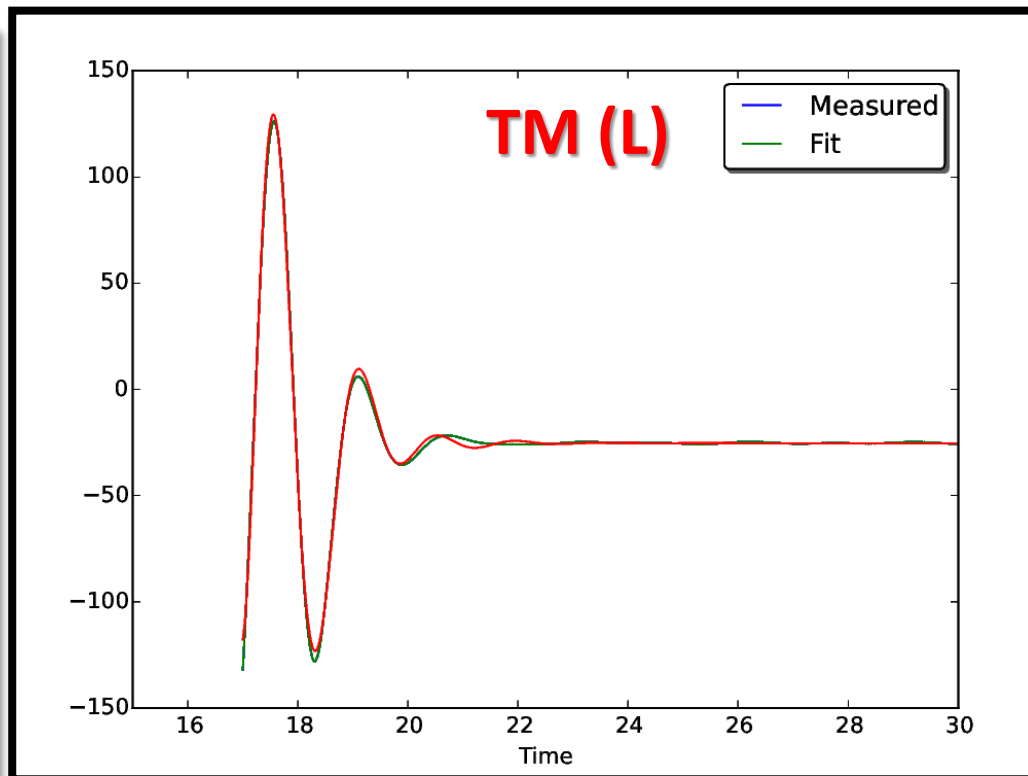
#21

0.657Hz

More



With damping



150730_TM_L_0658fitlog2expMODE21.py

150729_TML_0658modMODE21.txt

150730_TM_L_0658fitlog2expMODE21.py

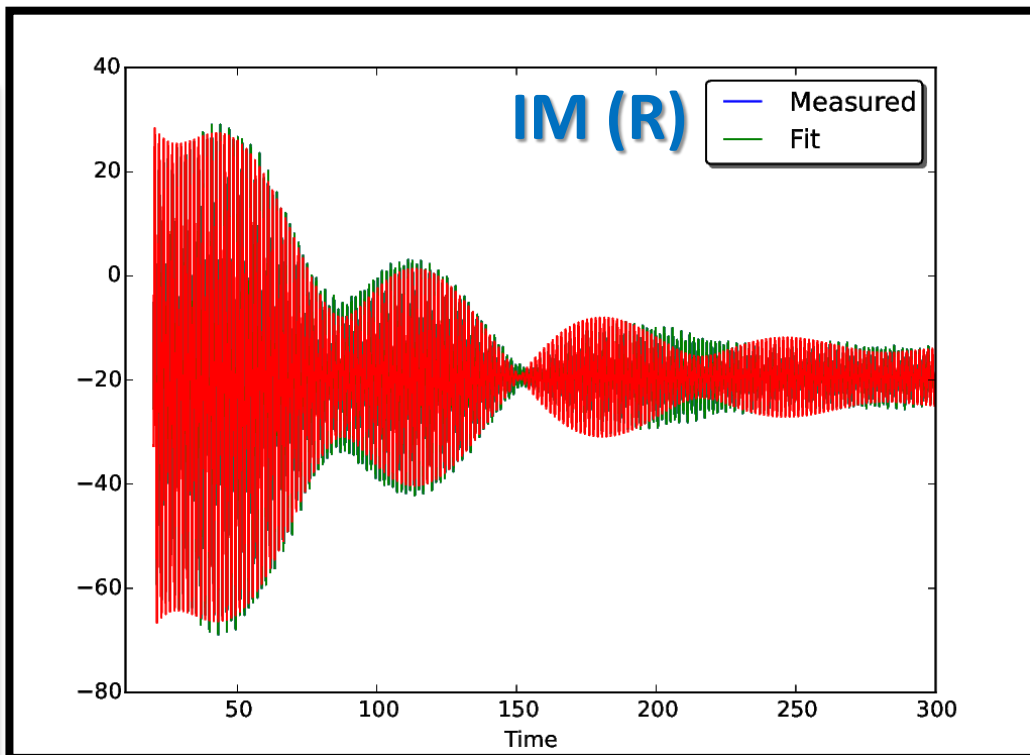
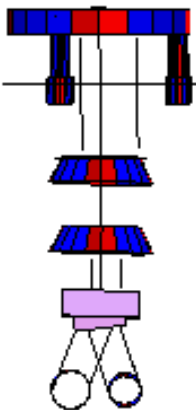
150729_TML_0658modMODE21.txt

Without damping

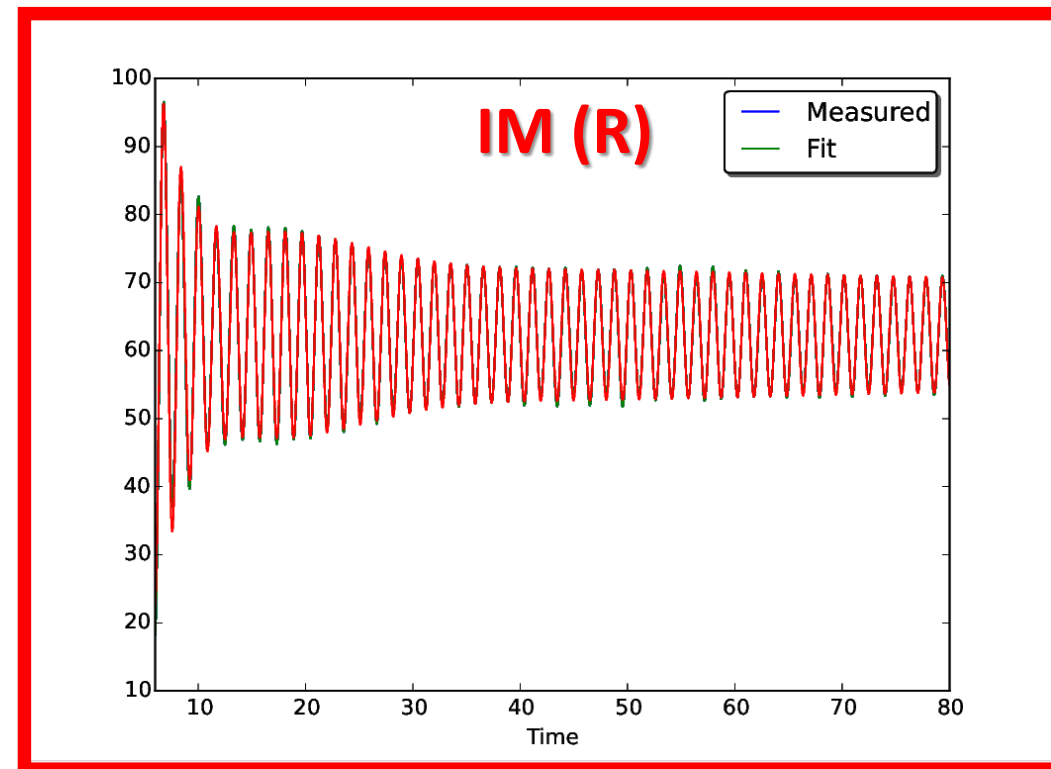
#22

0.658Hz

More



With damping



[150727_F0_T_0658_700_20fitlog2expMODE22.py](#)

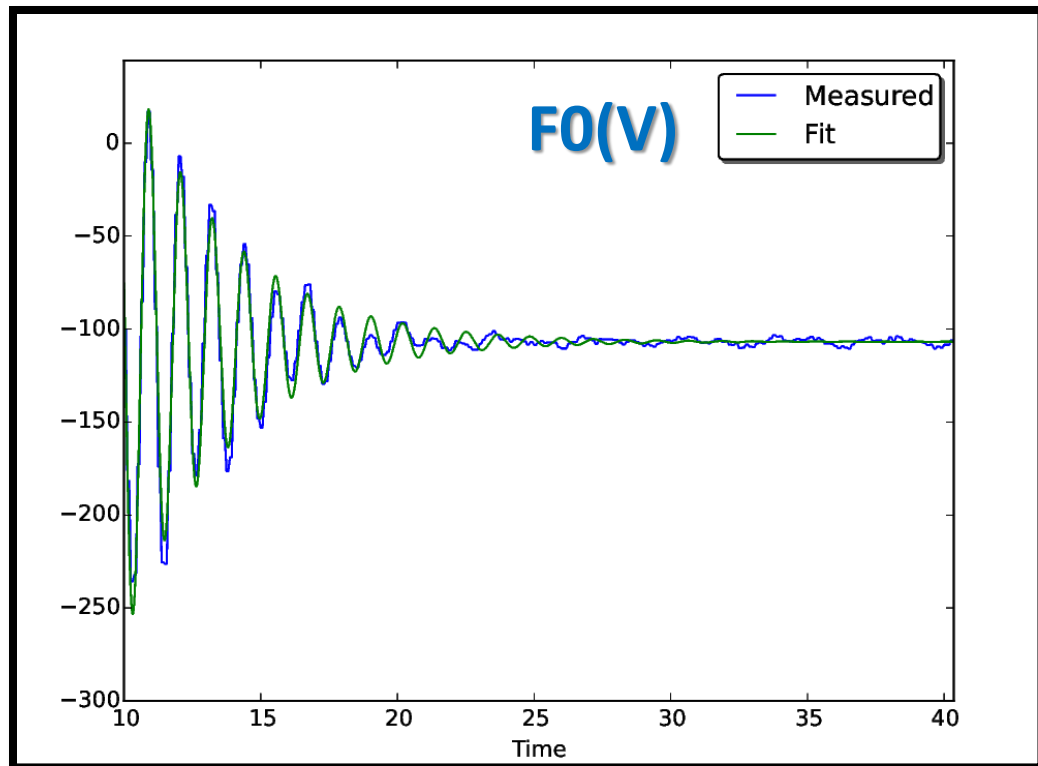
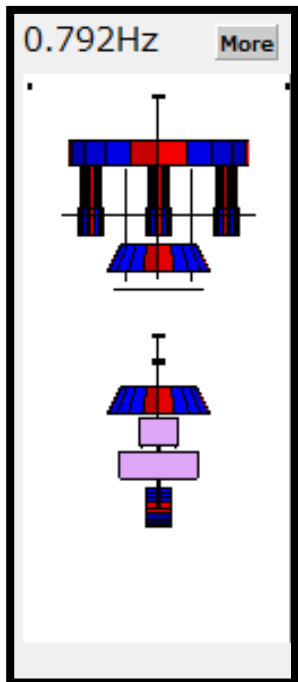
[150726_F0_T_0658_700_20IMmodMODE22.txt](#)

[150815_F0_T_0642fitlog2expIMR.py](#)

[150814_F0_T_0642mod.txt](#)

Without damping

#24



With damping



150723_F0_V_089_50_10fitlogMODE24.py

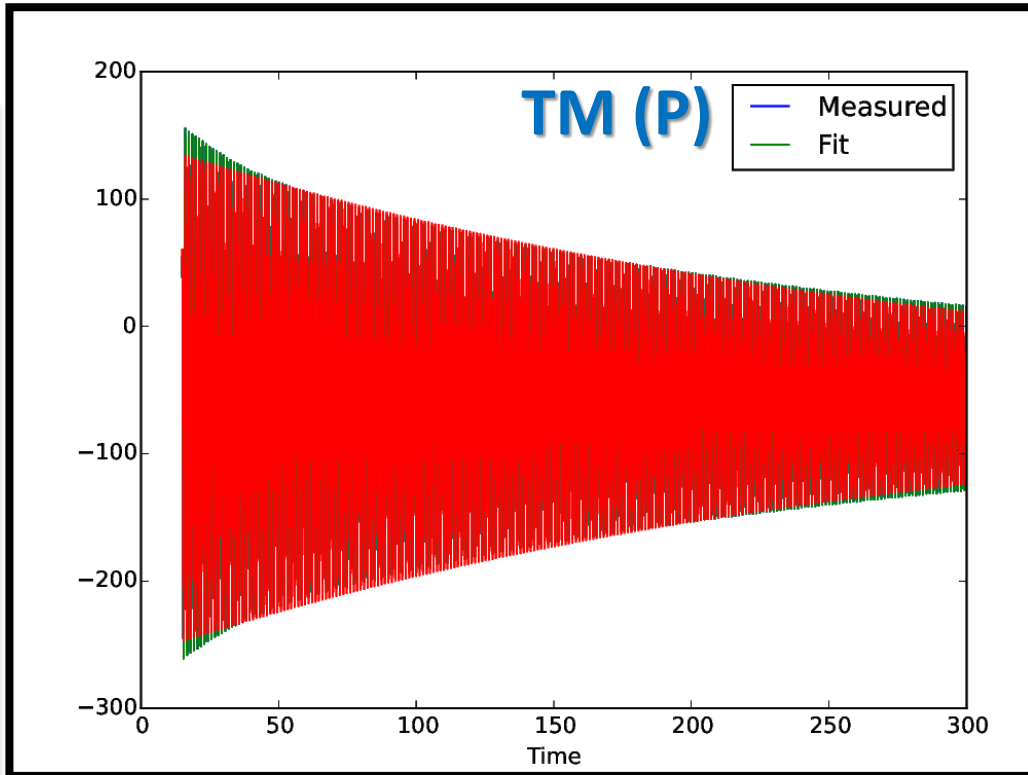
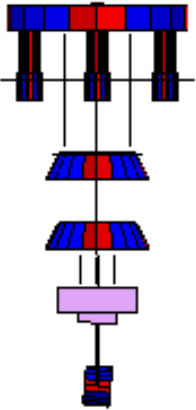
150722_F0_V_089_50_10modMODE24.txt

Without damping

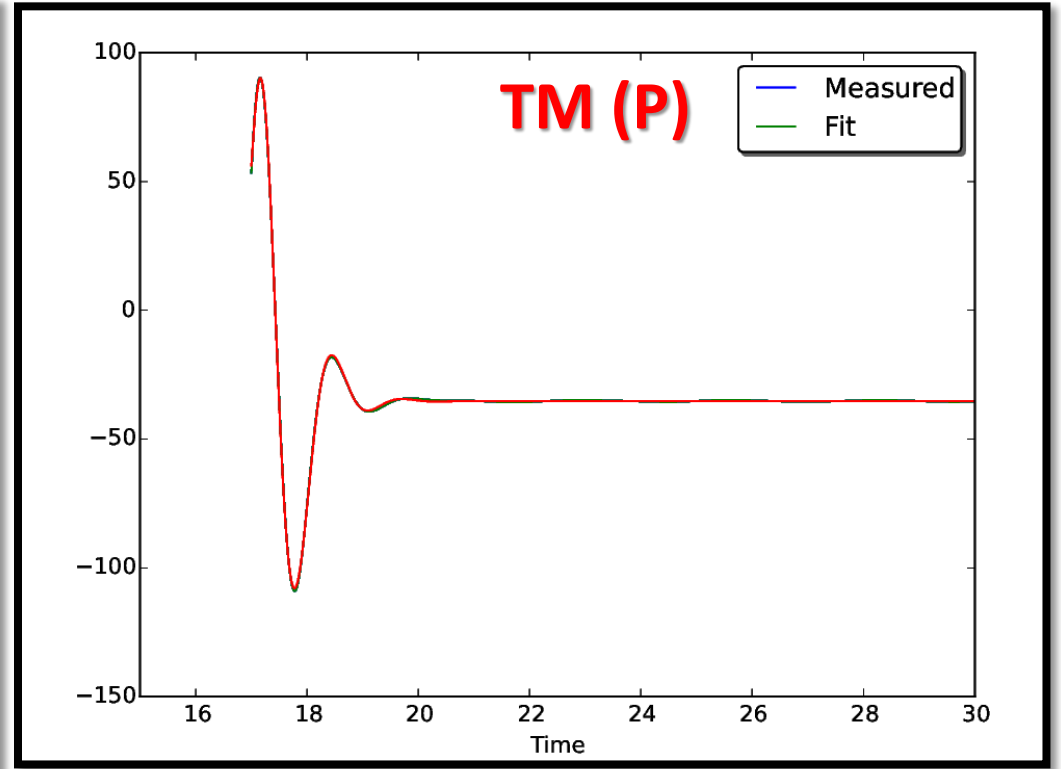
#25

0.816Hz

More



With damping



150710_TM_P_0781_10_10fitlogMODE25.py

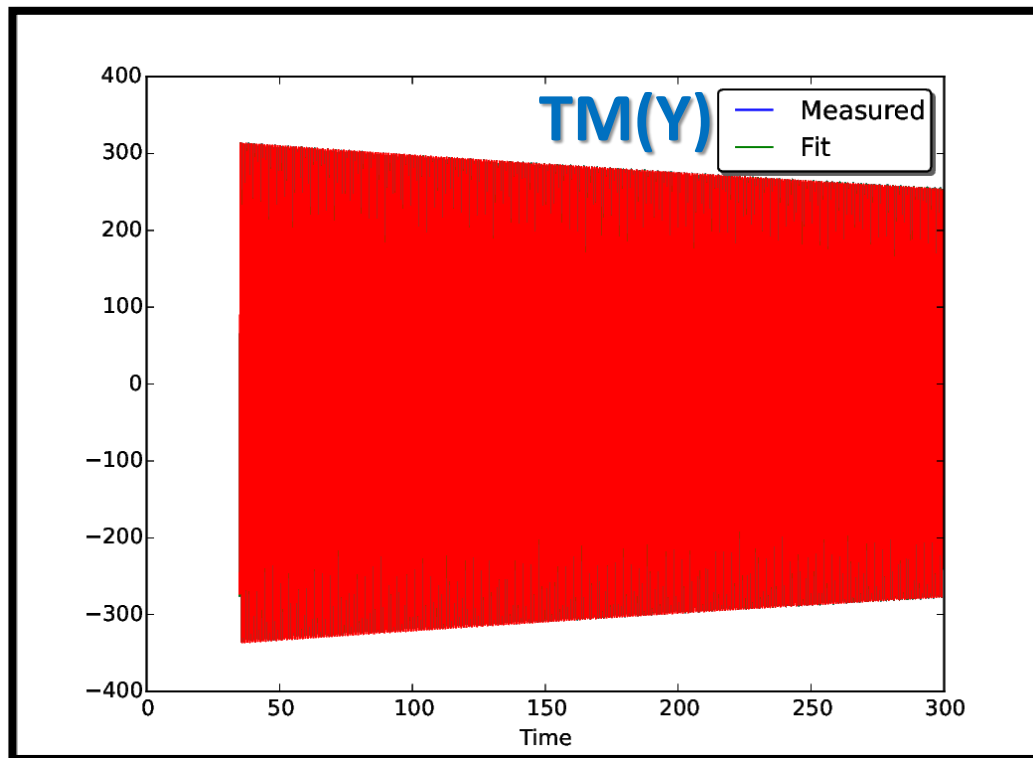
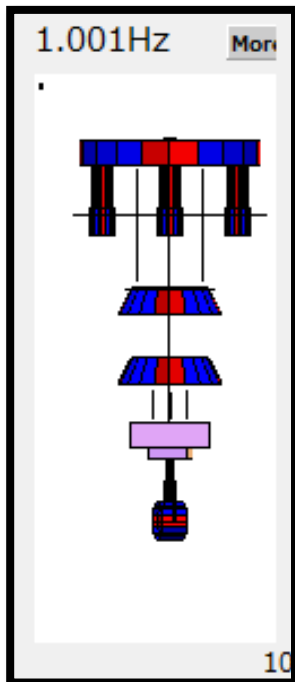
150710_TM_P_0781_10_10modMODE25.txt

150730_TM_P_0793fitlog2expMODE25.py

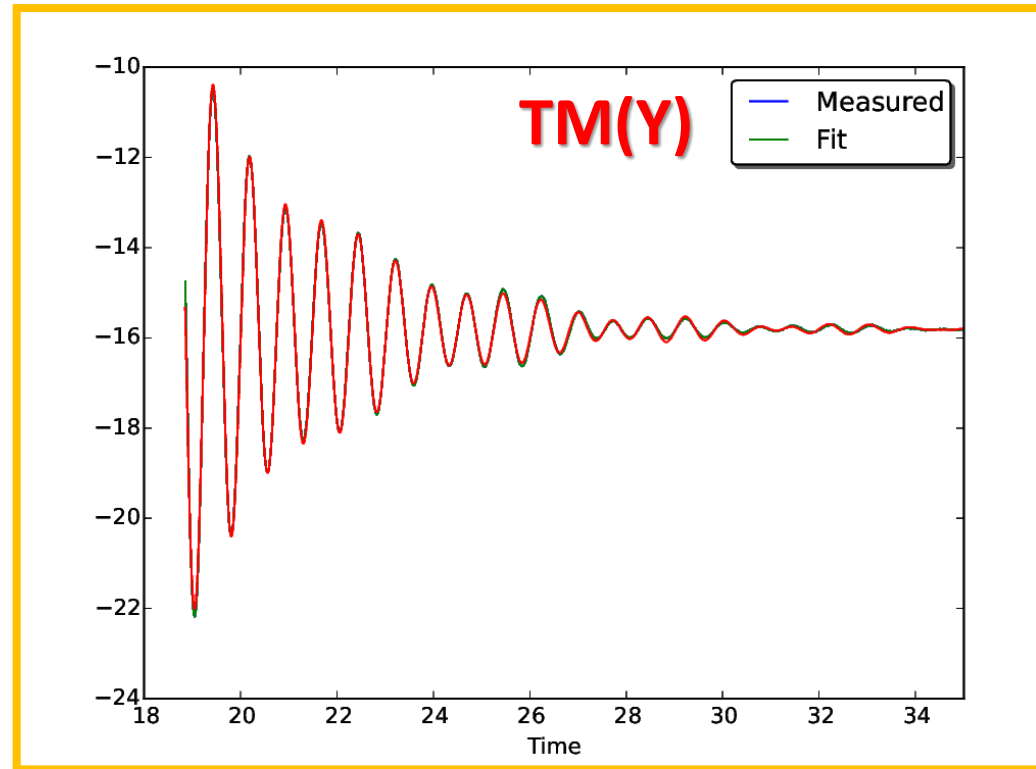
150729_TMP_0793modMODE25.txt

Without damping

#26



With damping



[150708_TM_Y_1_5_30fitlogMODE26.py](#)

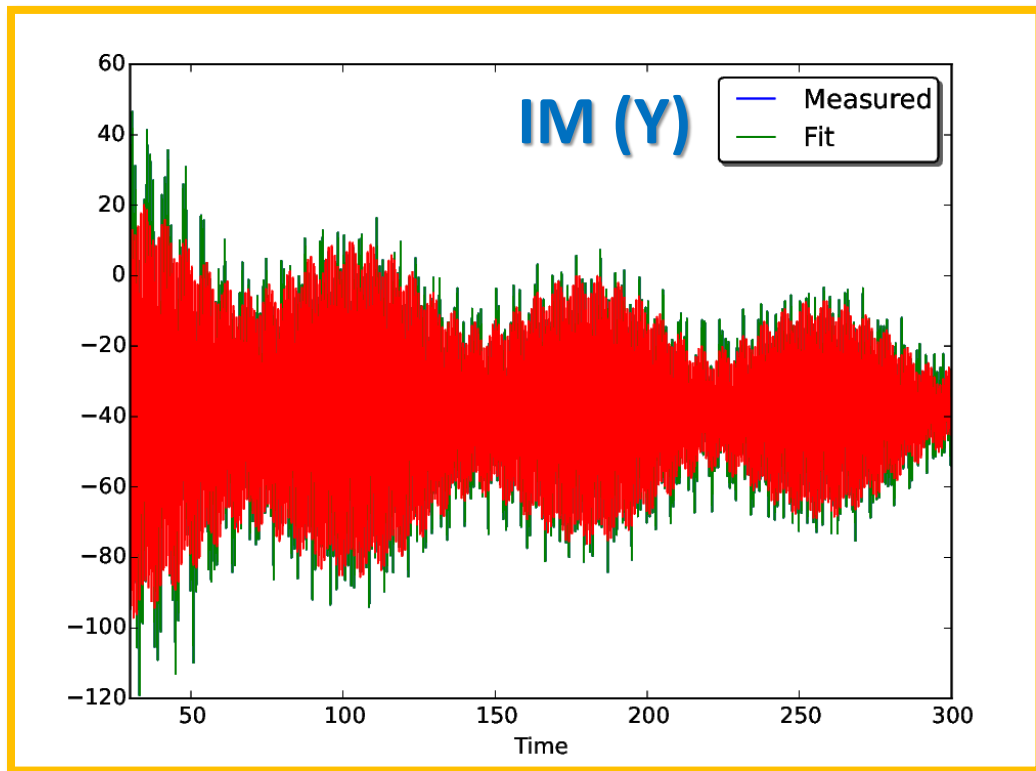
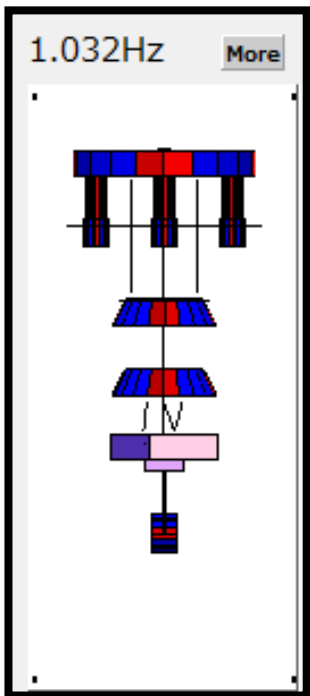
[150708_TM_Y_1_5_30modMODE26.txt](#)

[150730_TM_Y_1001fitlog2expMODE26.py](#)

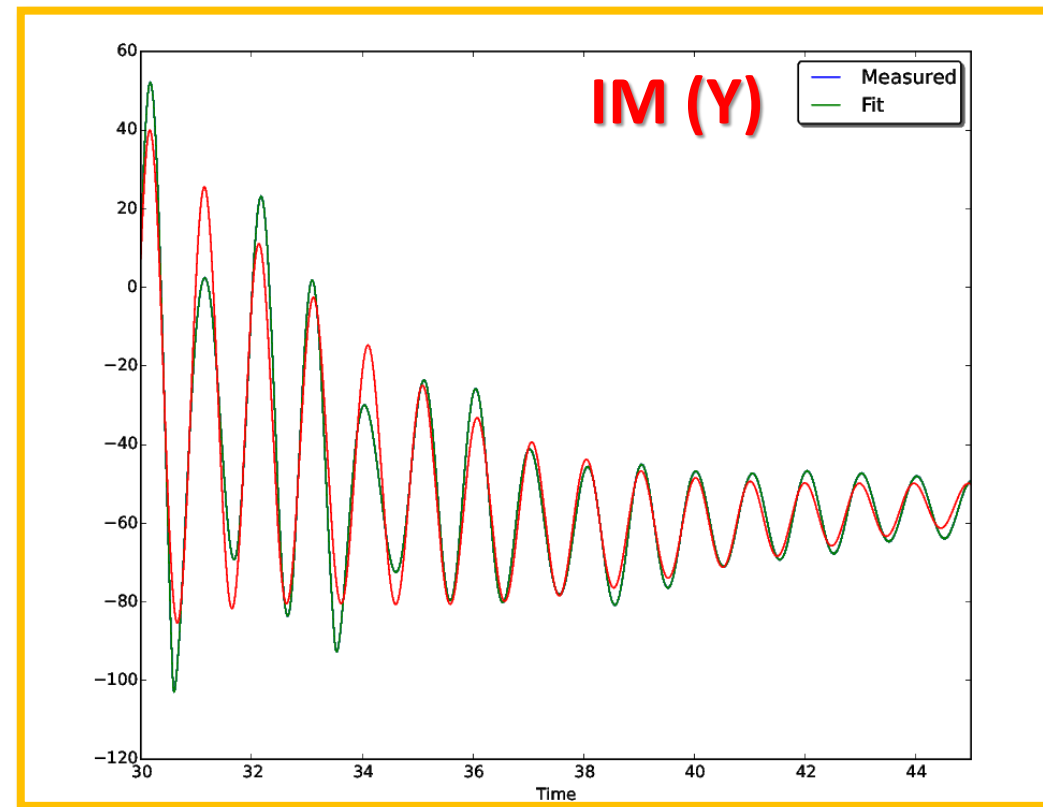
[150729_TMY_1001modMODE26.txt](#)

Without damping

#27



With damping



[150727_F0_Y_1032_100_10fitlog3expMODE27.py](#)

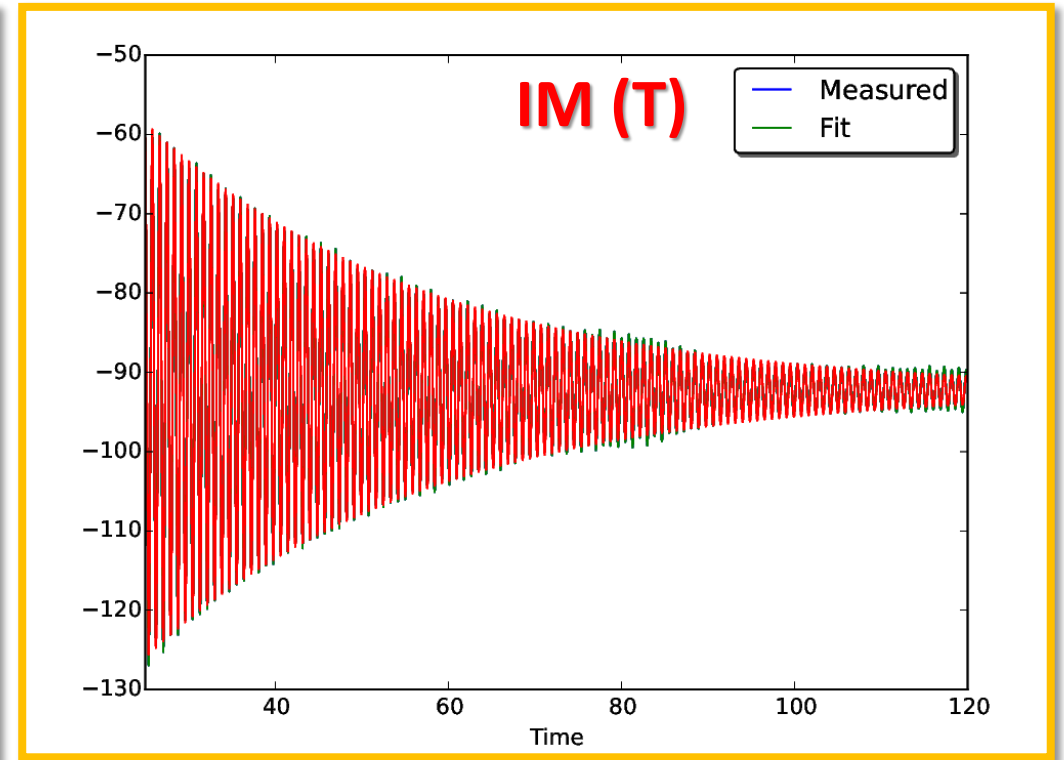
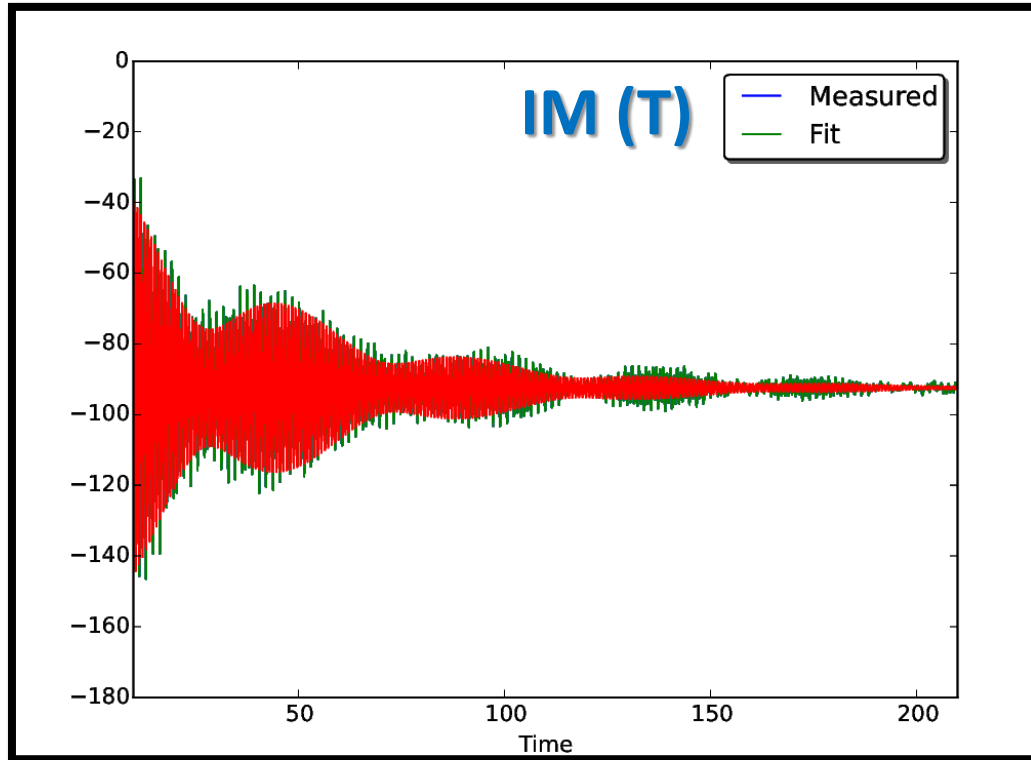
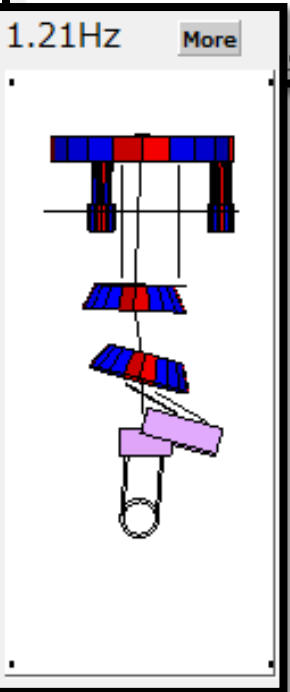
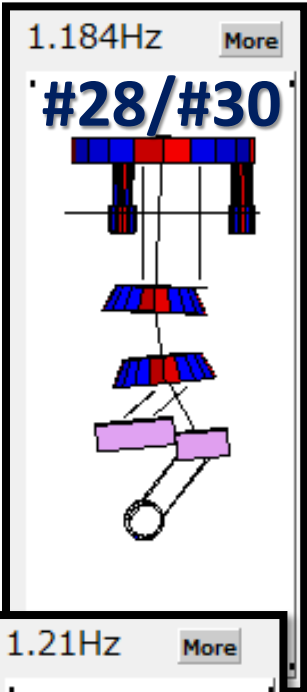
[150726_IM_Y_1032_100_10IMmodMODE27.txt](#)

[150729_IMY_104fitlog2expIMY.py](#)

[150729_IMY_104mod.txt](#)

Without damping

With damping



[150727_IM_T_1479_100_20fitlog2expMODE28or30.py](#)

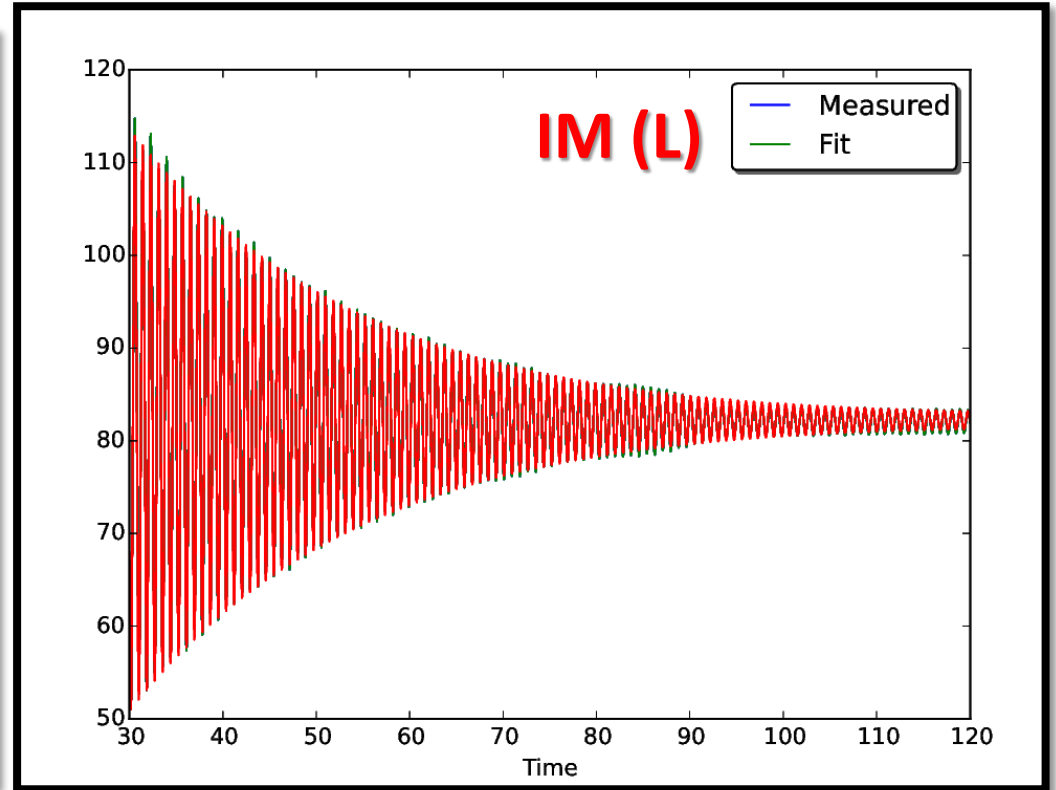
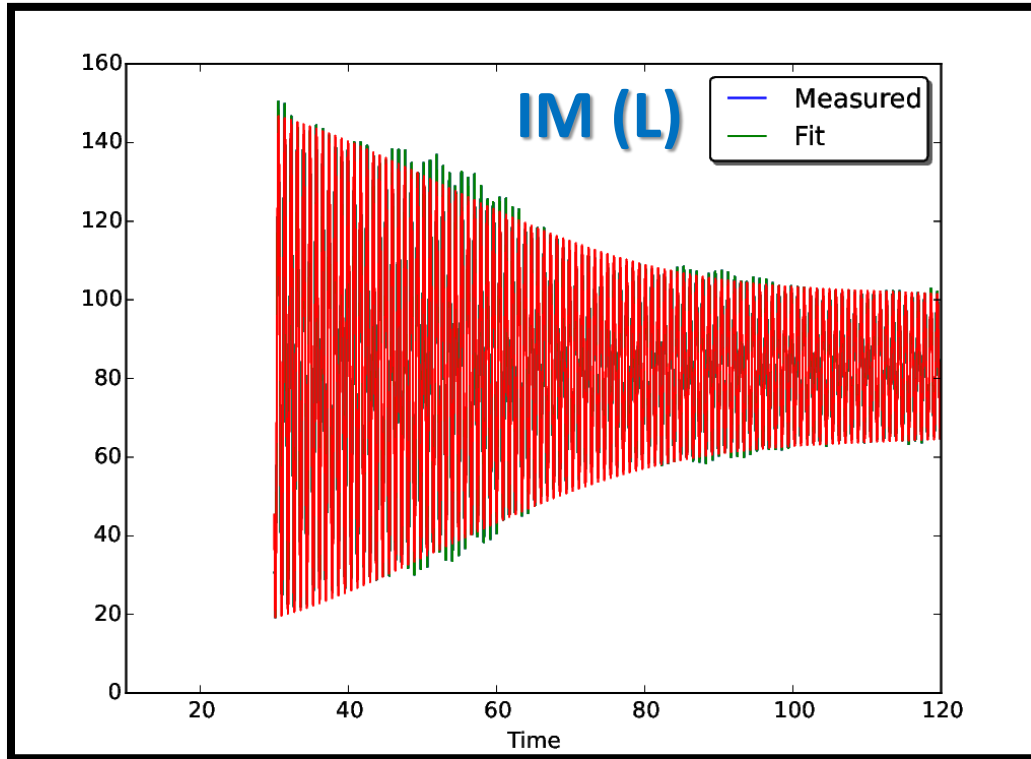
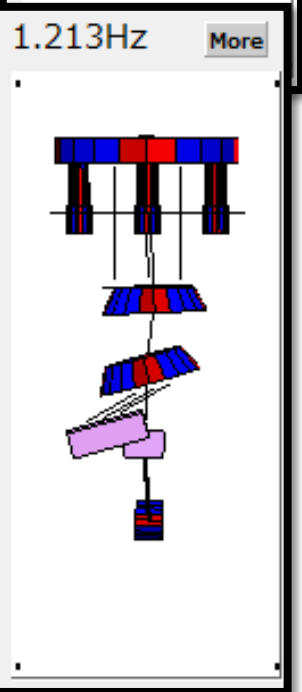
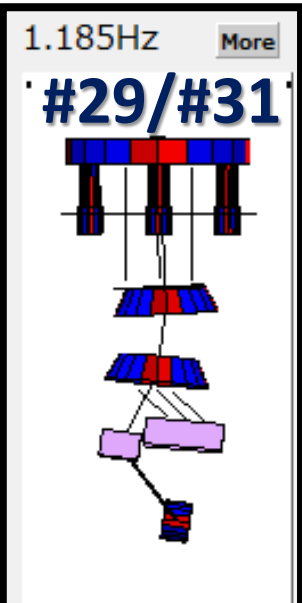
[150726_IM_T_1479_100_20modMODE28or30.txt](#)

[150730_F0_T_118fitlog2expIMTMODE28or30.py](#)

[150730_F0T_118modIMTMODE28or30.txt](#)

Without damping

With damping



[150727_F0_L_1187_1000_30fitlog2expMODE29or31.py](#)

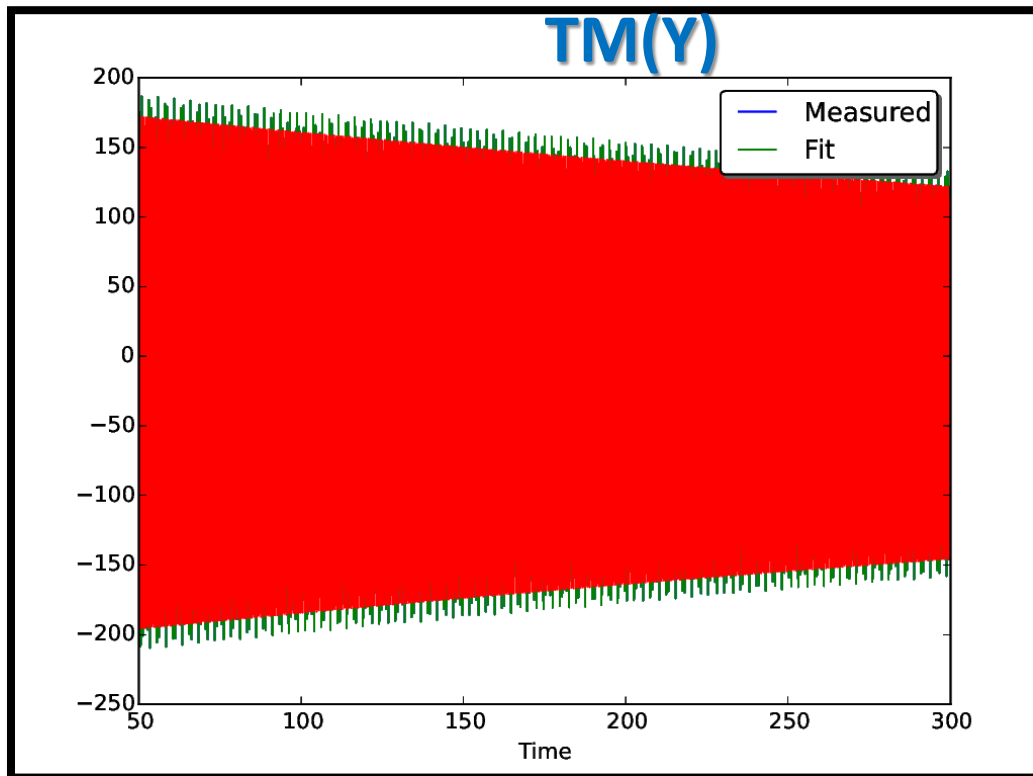
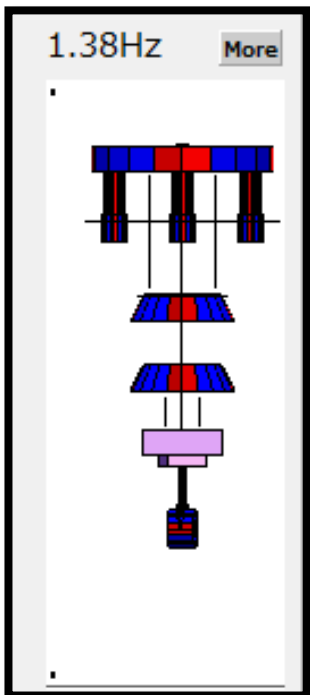
[150726_F0_L_1187_1000_30IMmodMODE29or31.txt](#)

[150730_F0_L_118fitlog2expIMLMODE29or31.py](#)

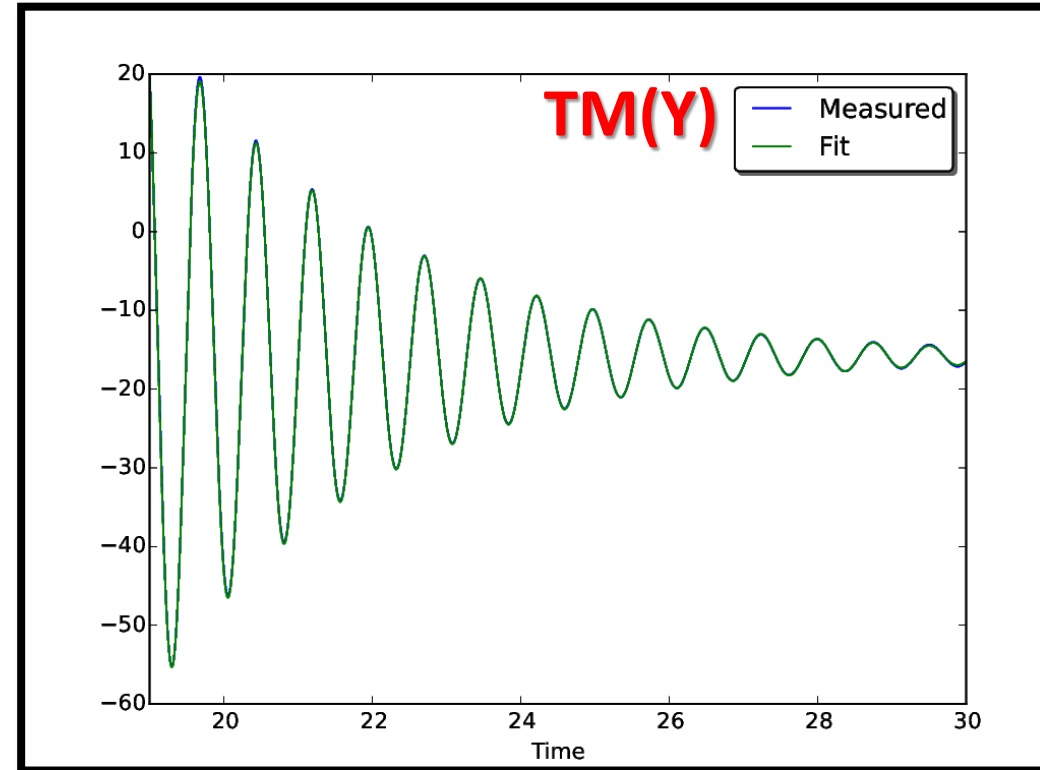
[150730_F0T_118modIMLMODE29or31.txt](#)

Without damping

#32



With damping



[150710_TM_Y_1406_10_30fitlogMODE32.py](#)

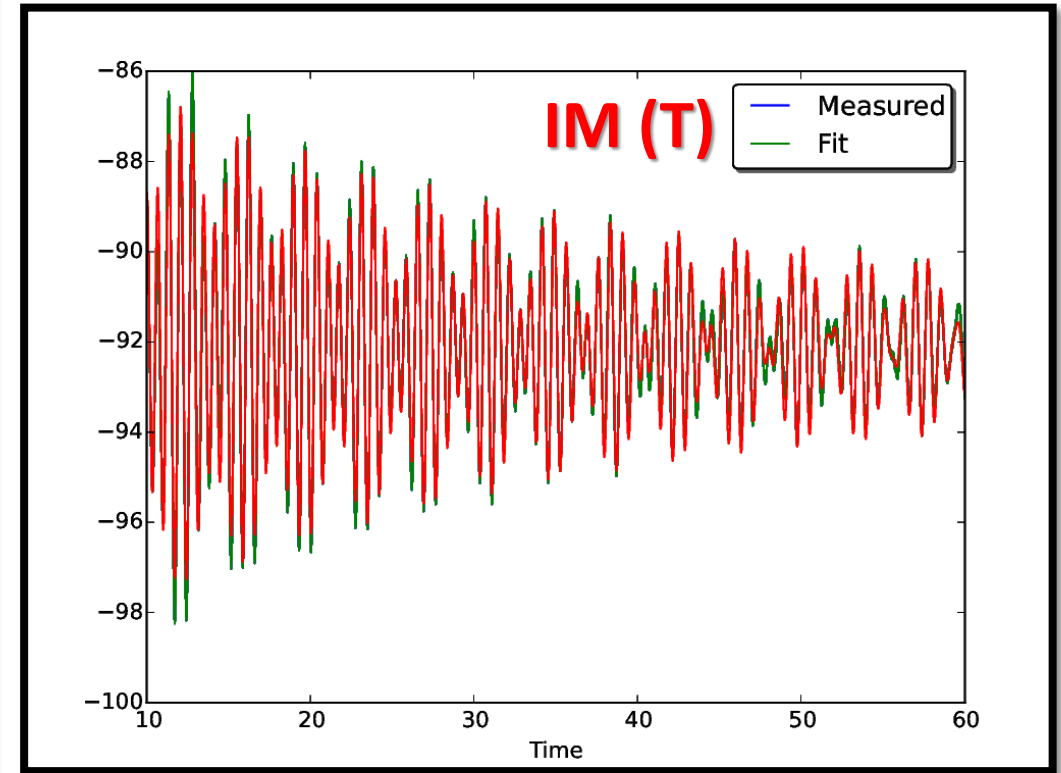
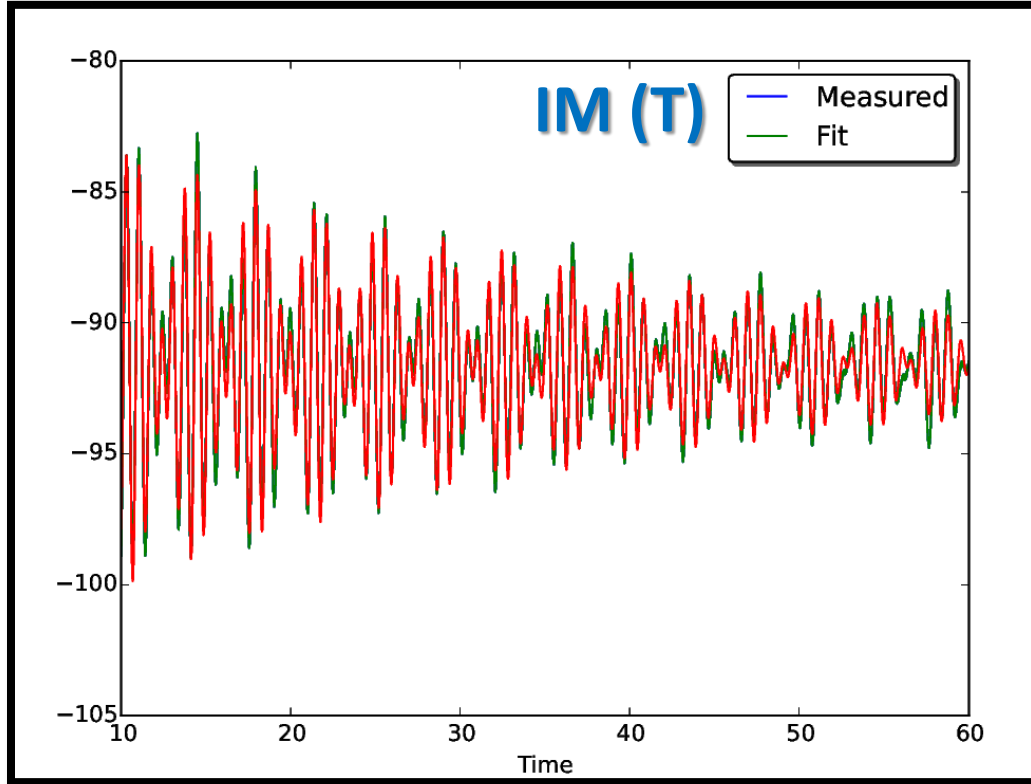
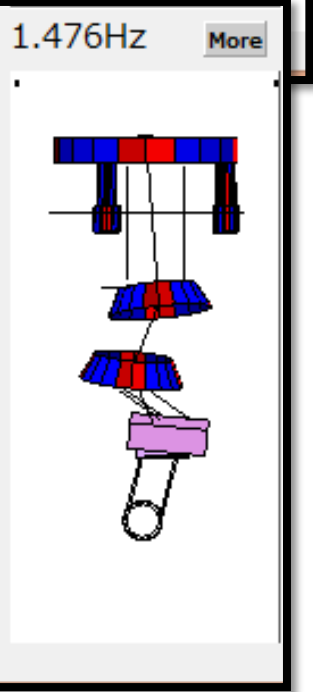
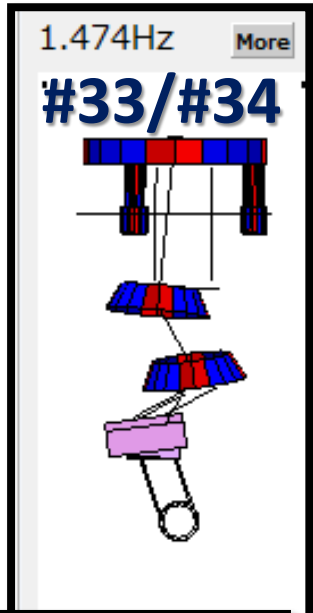
[150710_TM_Y_1406_10_30modMODE32.txt](#)

[150729_TM_Y_1406fitlogTM1expMODE32.py](#)

[150729_TMY_1406mod2MODE32.txt](#)

Without damping

With damping



[150805_F0_T_148fitlog2expMODE33or34.py](#)

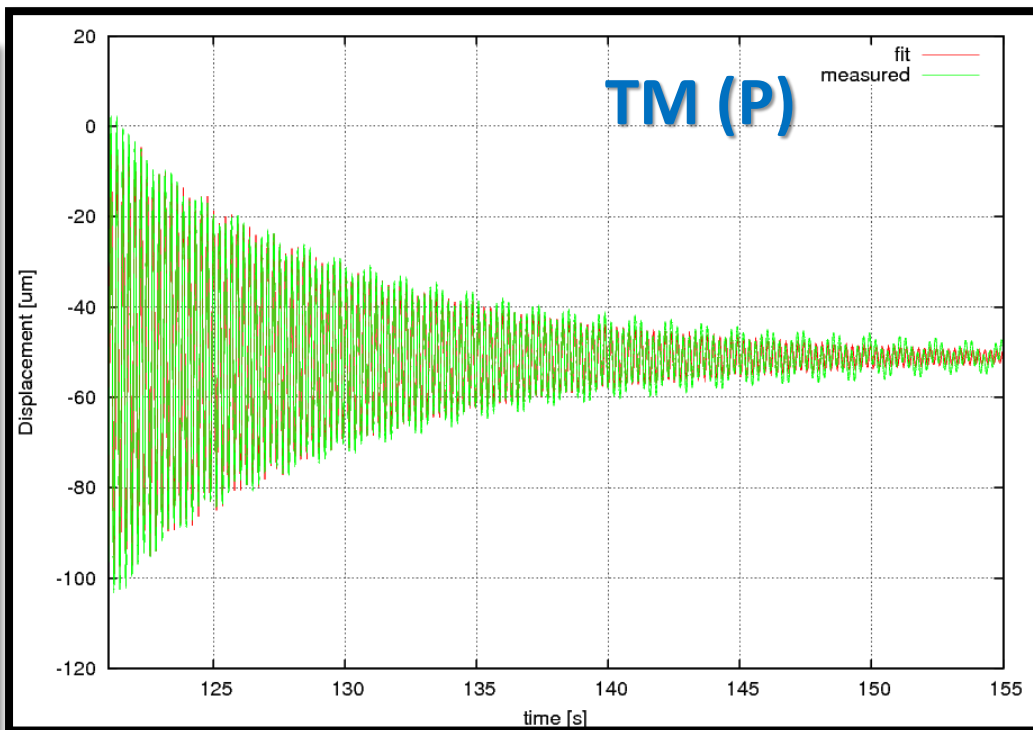
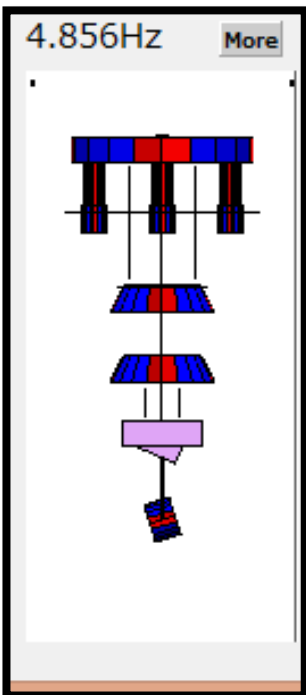
[150805_F0_T_148nodampmodMODE33or34.txt](#)

[150730_F0_T_148fitlog2expIMMODE33or34.py](#)

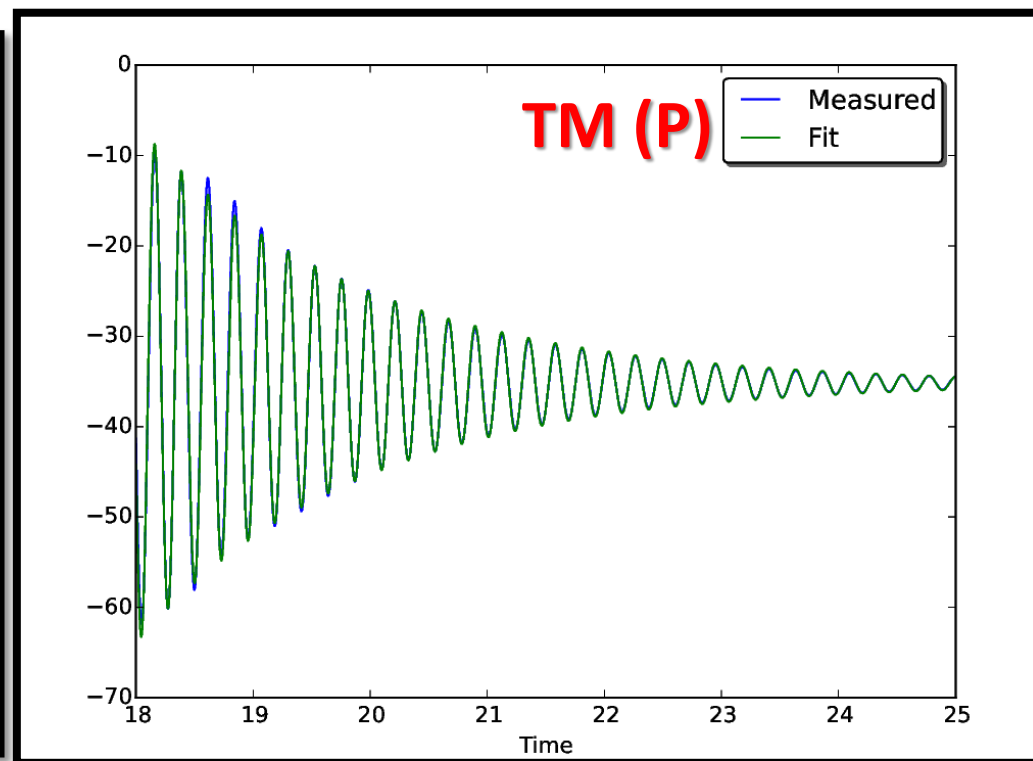
[150730_F0T_148modMODE33or34.txt](#)

Without damping

#35



With damping



[fitTM_P_4375_200_120_121-130.log](#)

[150708_TM_P_ts_4375_200_120_2MODE35.txt](#)

[150729_TM_P_436fitlog1expMODE35.py](#)

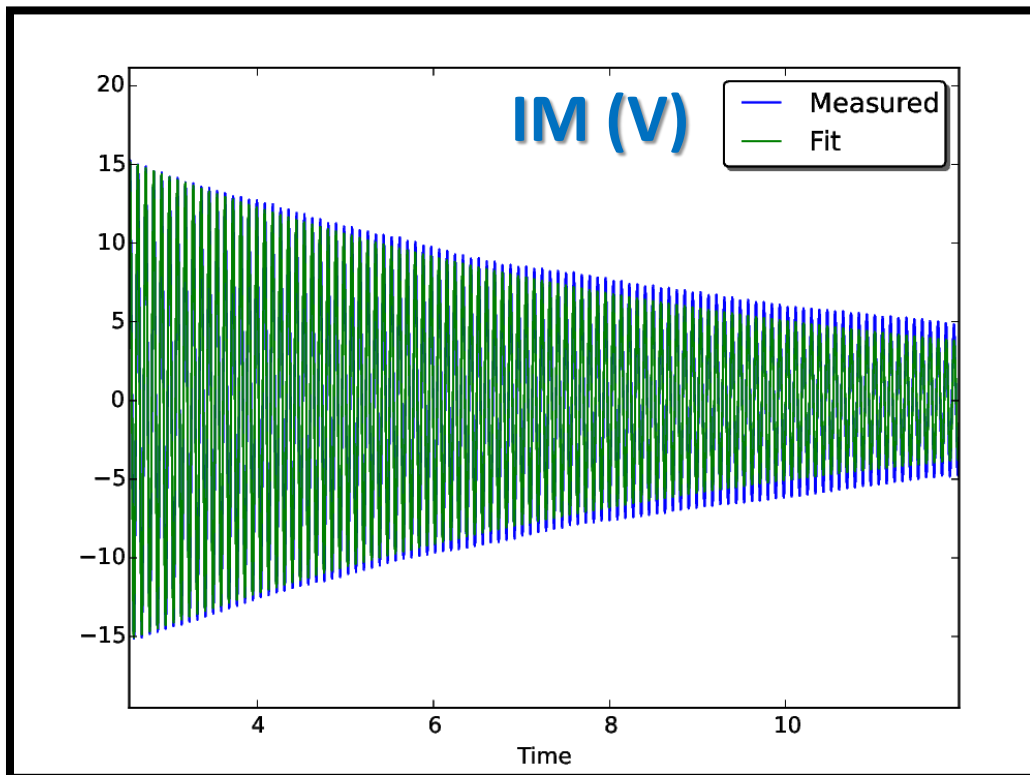
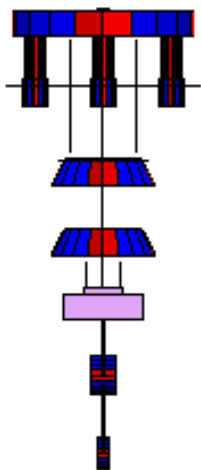
[150729_TMP_436modMODE35.txt](#)

Without damping

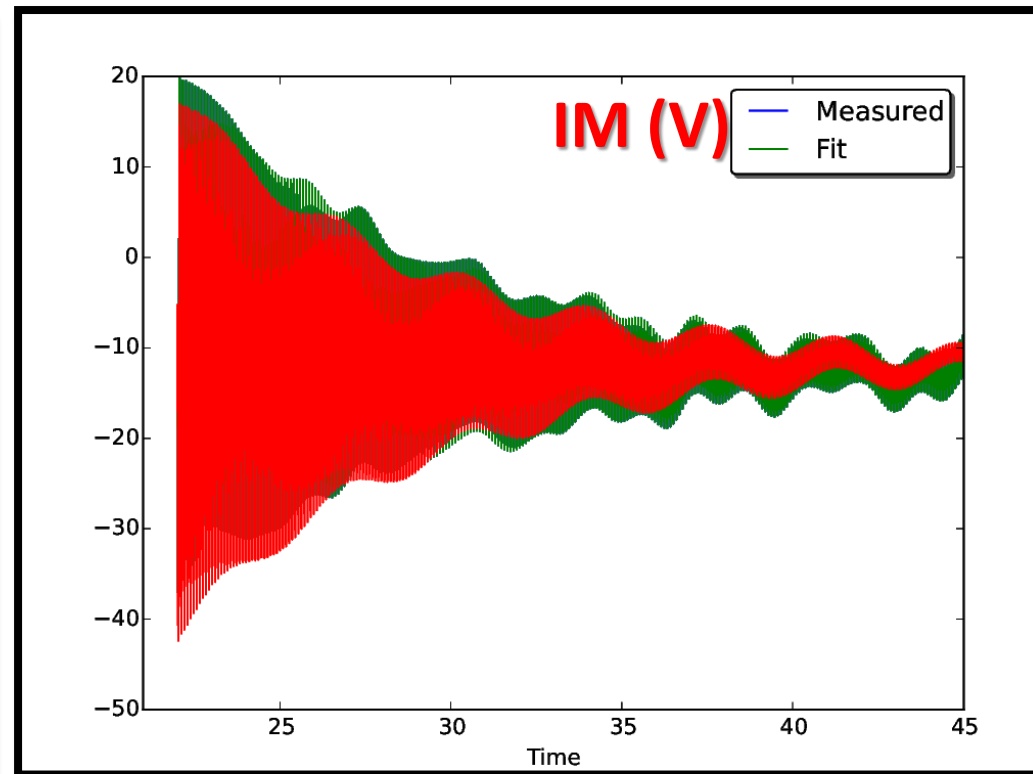
#36

11.32Hz

More



With damping



150728_IM_V_1117_4000fitlog1expMODE36.py

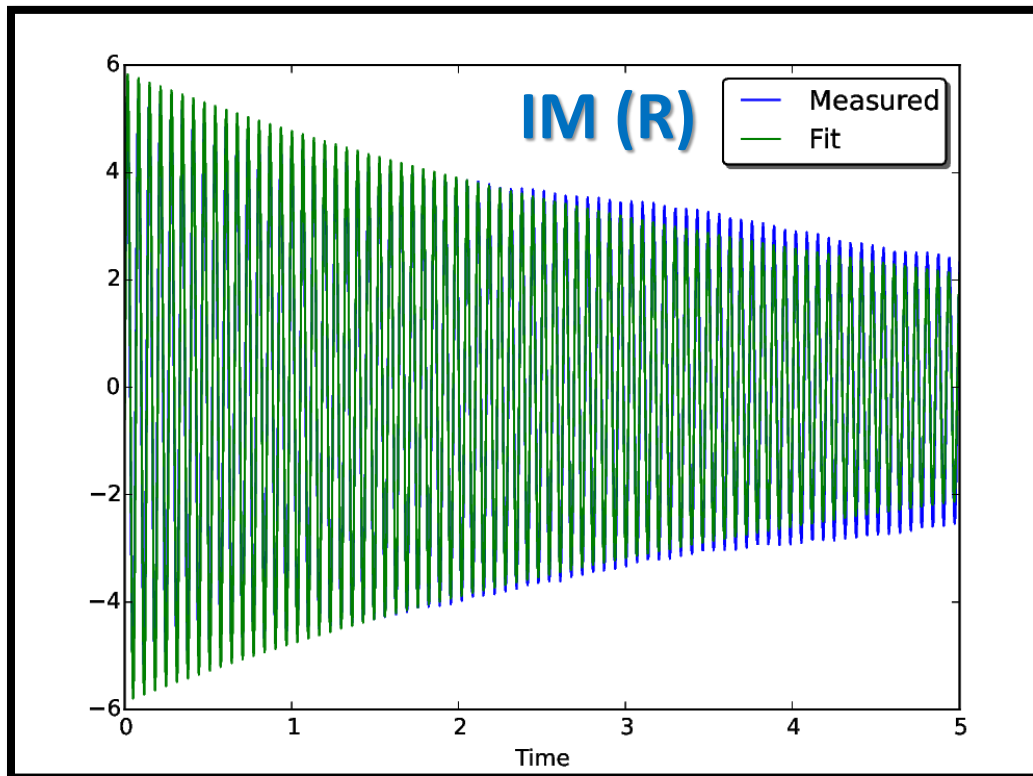
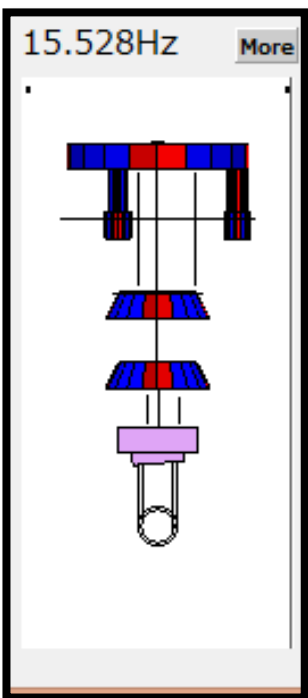
150728_VIM_11HzMODE36.txt

150730_IM_V_1117fitlog2expMODE36.py

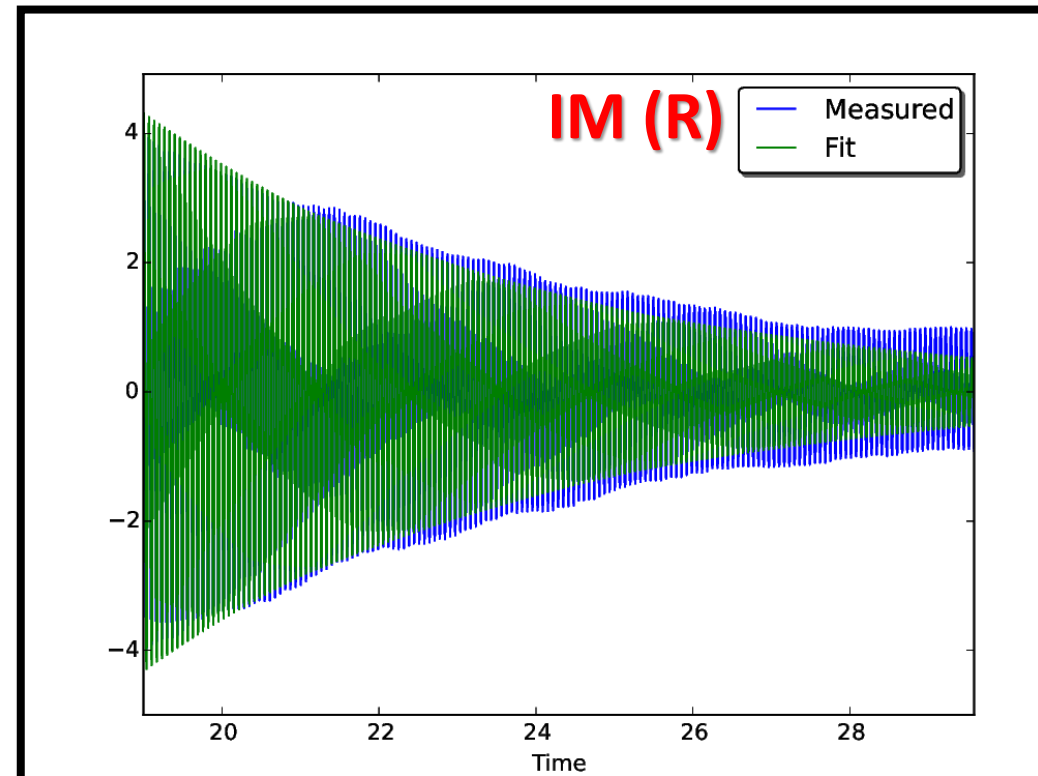
150730_IMV_11_20_ramp7modMODE36.txt

Without damping

#37



With damping



150728_IM_R_1531_4000fitlog1expMODE37.py
150728_RIM_15HzMODE37.txt

150823_IM_R_15fitlog1expMODE37.py
150823IMR_15mvamodv2MODE37.txt