

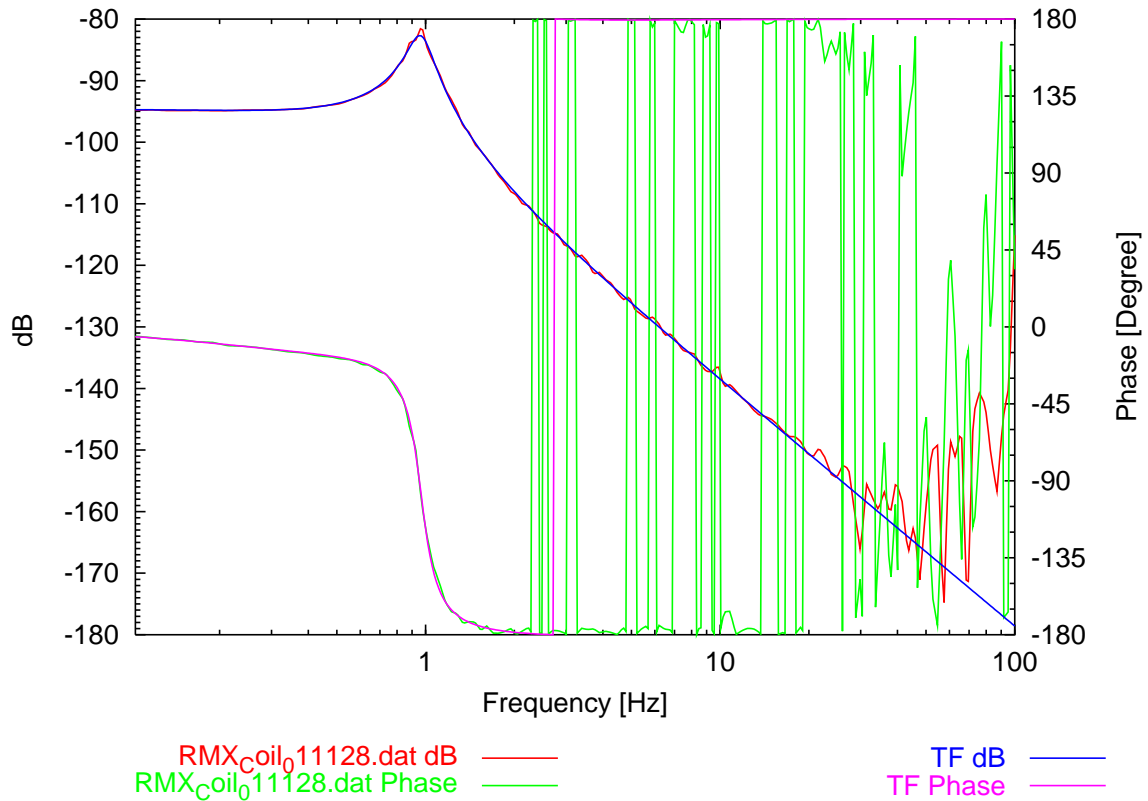
Recycling1: Recycling Mirrors Suspension Transfer Functions

National Astronomical Observatory, TAMA project

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November 30, 2001

RM Length Coil



Filename: RMX_Coil_011128.dat

Measured: 2001/11/28

Actuator: Coil

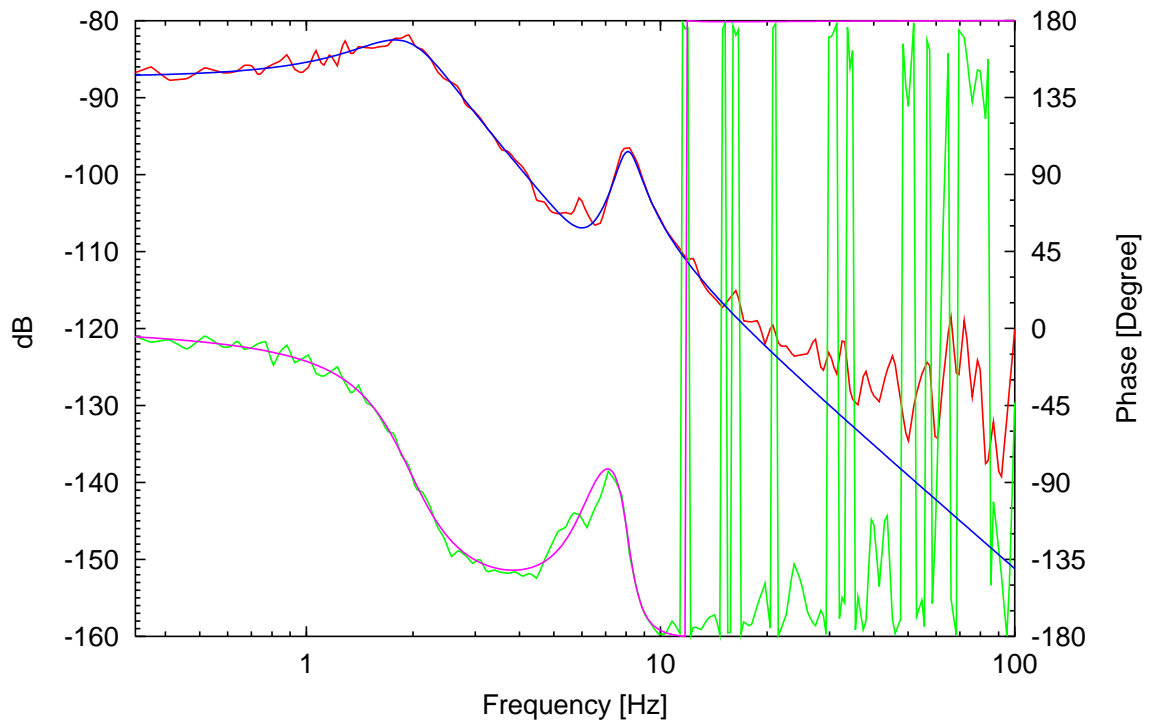
pole 966.01931m 5.2500189

pole 870.09237m 350.25372m

zero 1.0541998 383.93833m

factor 18.506528u

RM Pitch Coil

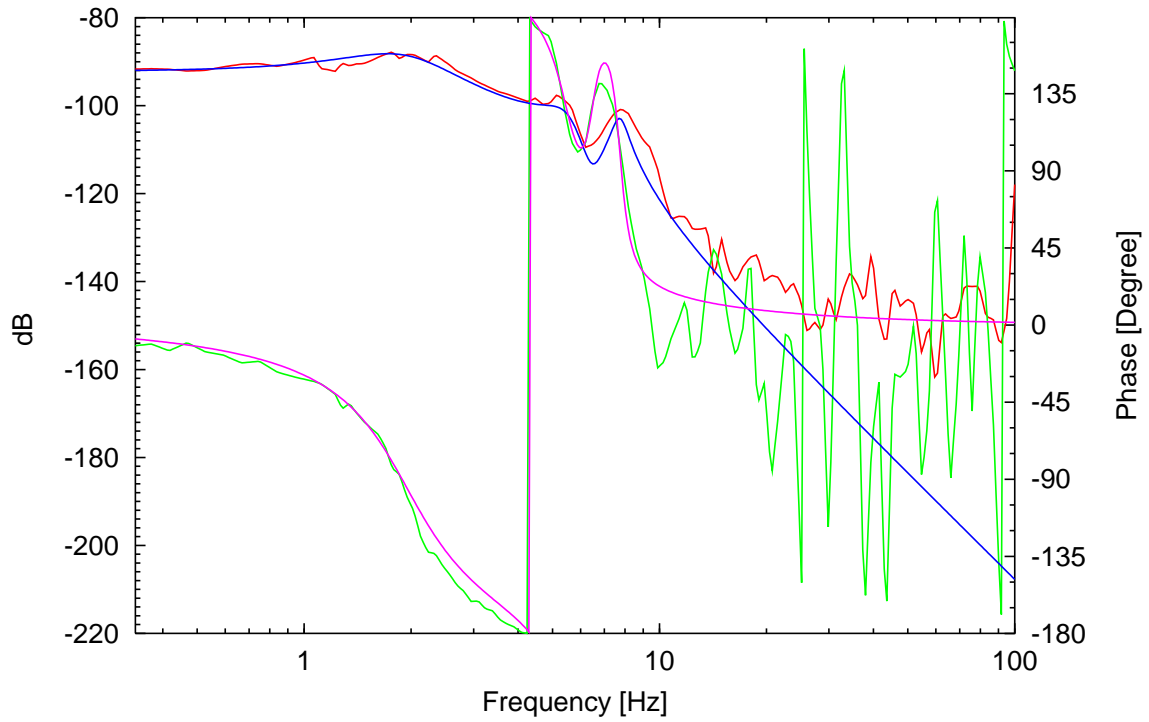


RMP_{coil011128.dat} dB ——— TF dB ———
RMP_{coil011128.dat} Phase ——— TF Phase ———

Filename: RMP_Coil_011128.dat
 Measured: 2001/11/28
 Actuator: Coil

pole 1.9669289 1.6995101
 pole 8.0751255 6.2740014
 zero 6.3053501 2.3864698
 factor 43.288309u

RM Pitch PZT



RMP_PZT₀11128.dat dB ——— TF dB ———
RMP_PZT₀11128.dat Phase ——— TF Phase ———

Filename: RMP_PZT_011128.dat

Measured: 2000/11/28

Actuator: PZT

pole 1.9436372 1.3736713

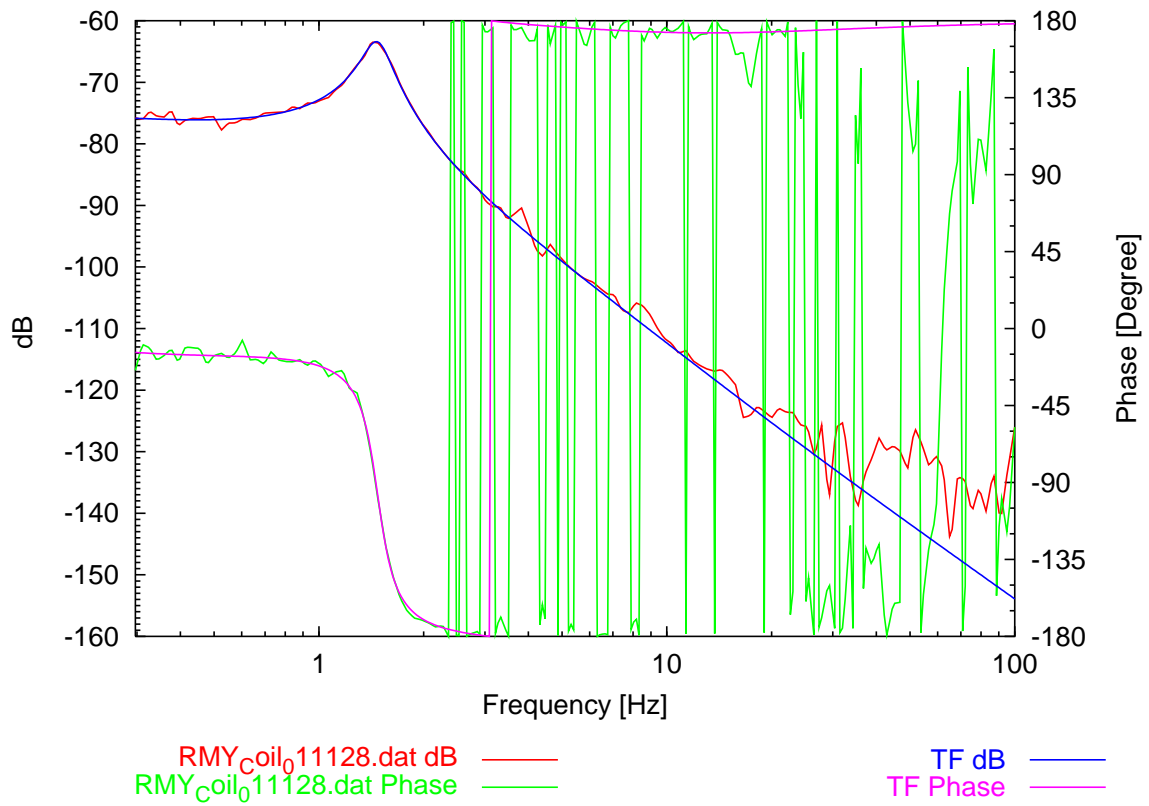
pole 5.5560698 3.9549672

pole 7.7354679 9.6703499

zero 6.4727278 7.4934628

factor 24.570063u

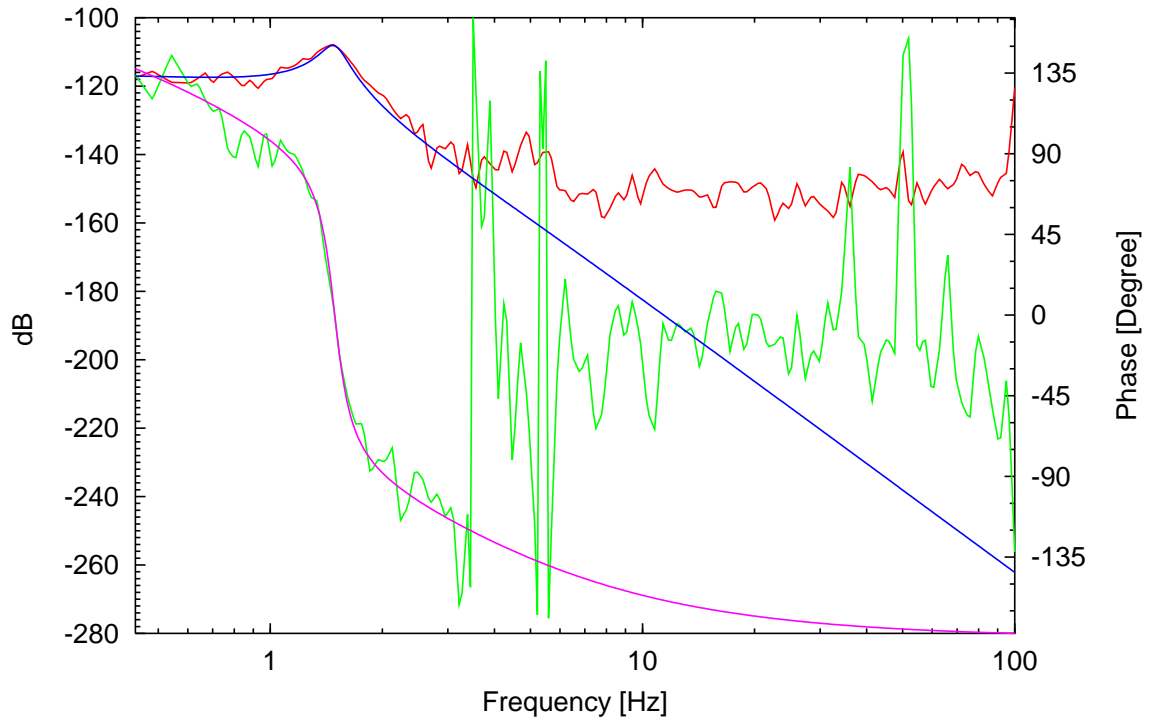
RM Yaw Coil



Filename: RMY_Coil_011128.dat
 Measured: 2001/11/28
 Actuator: Coil

pole 1.8061048 162.51828m
 pole 1.4755275 5.4746241
 zero 2.538148 173.84039m
 factor 181.96222u

RM Yaw PZT



RMY_pZT₀11128.dat dB ——— TF dB ———
RMY_pZT₀11128.dat Phase ——— TF Phase ———

Filename: RMY_PZT_011128.dat

Measured: 2001/11/28

Actuator: PZT

pole 1.5102475 375.61512m

pole 1.4891926 6.6476013

factor -1.5389199u