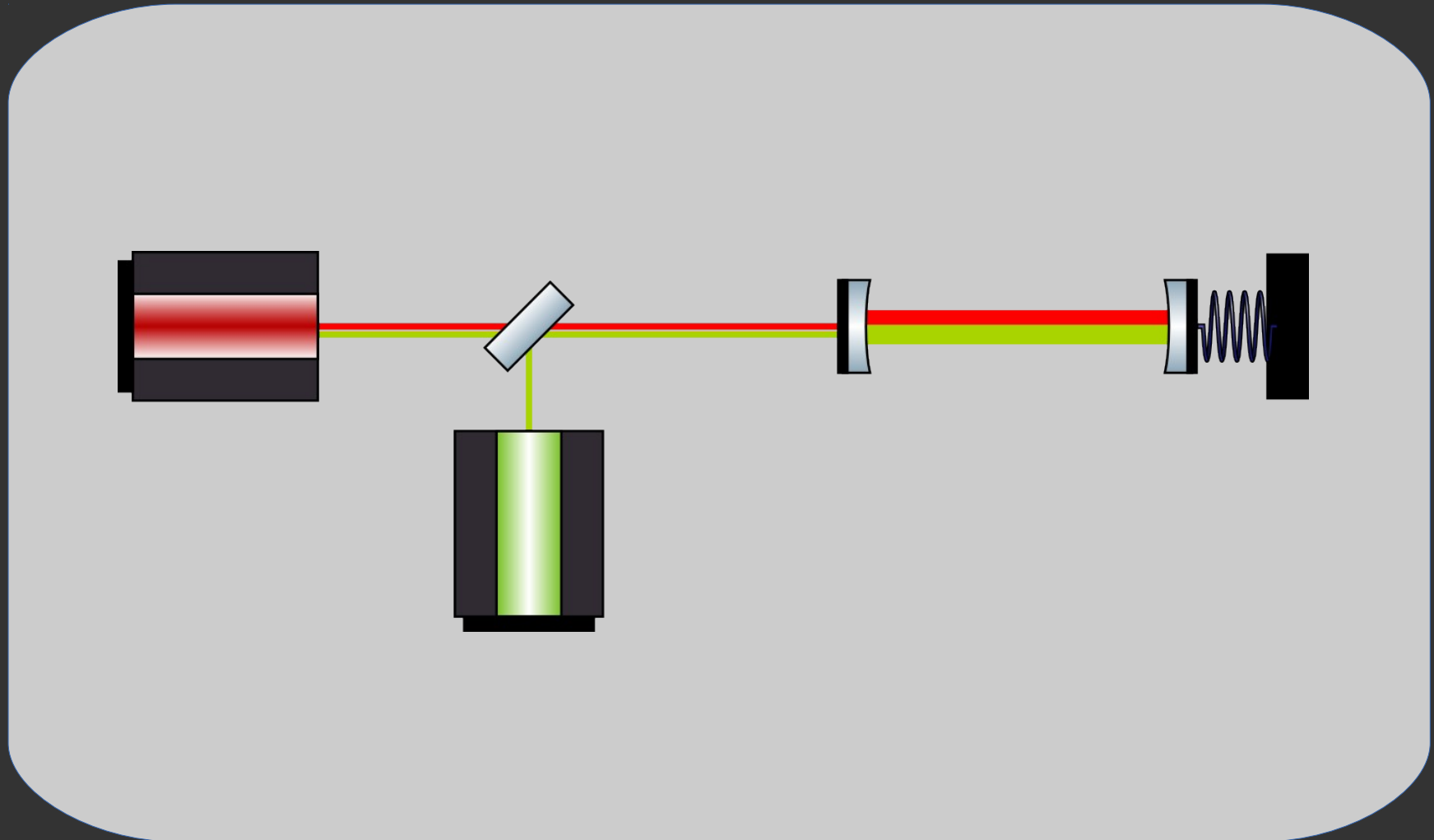


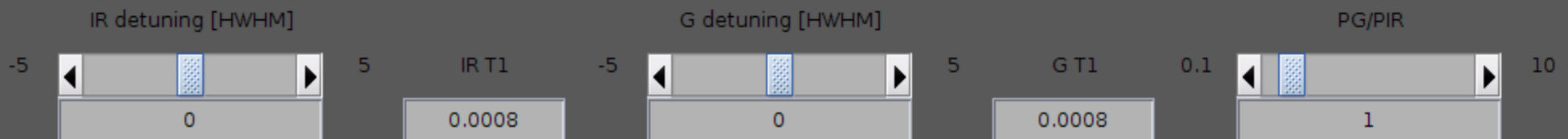
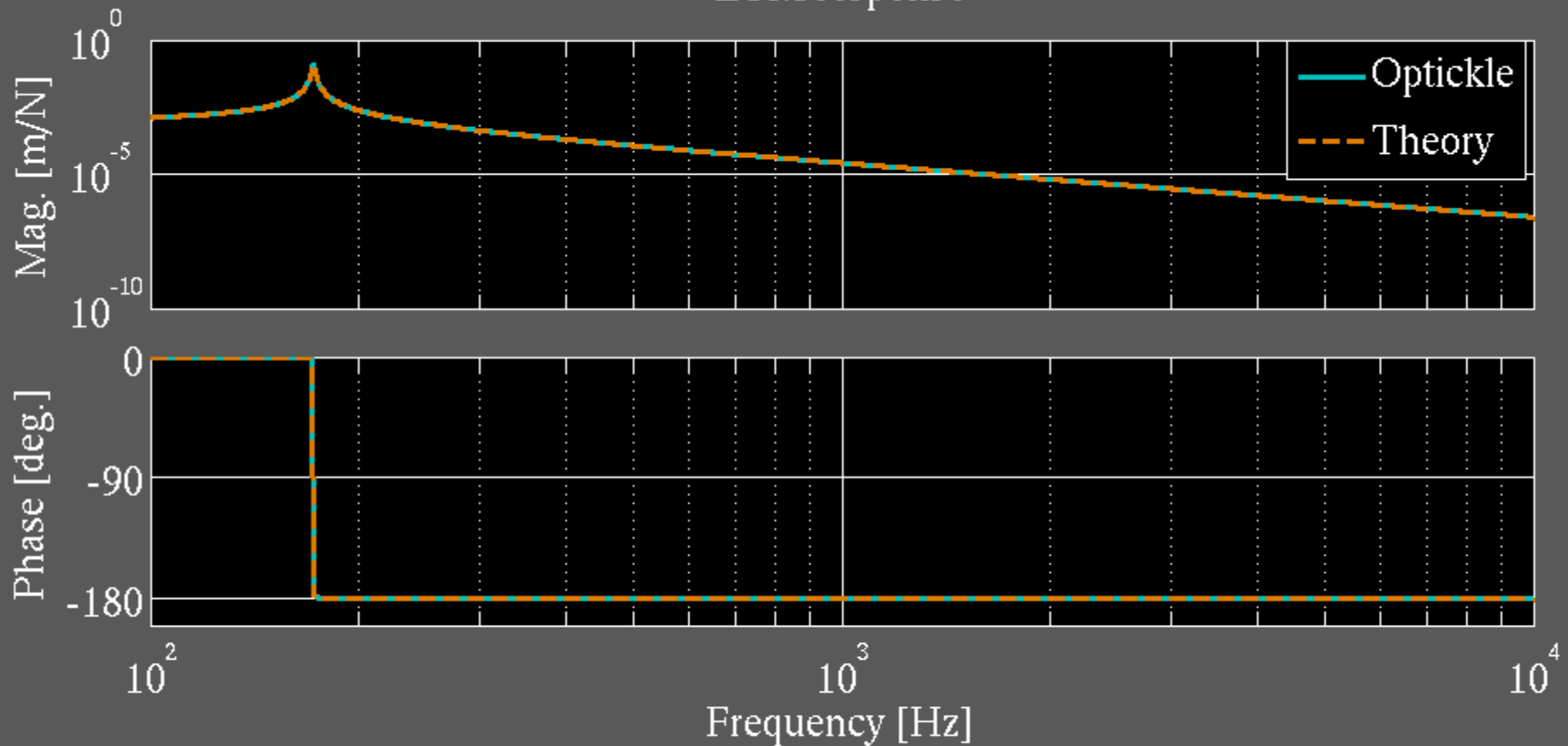
# Optical springs in Optickle 2

# System



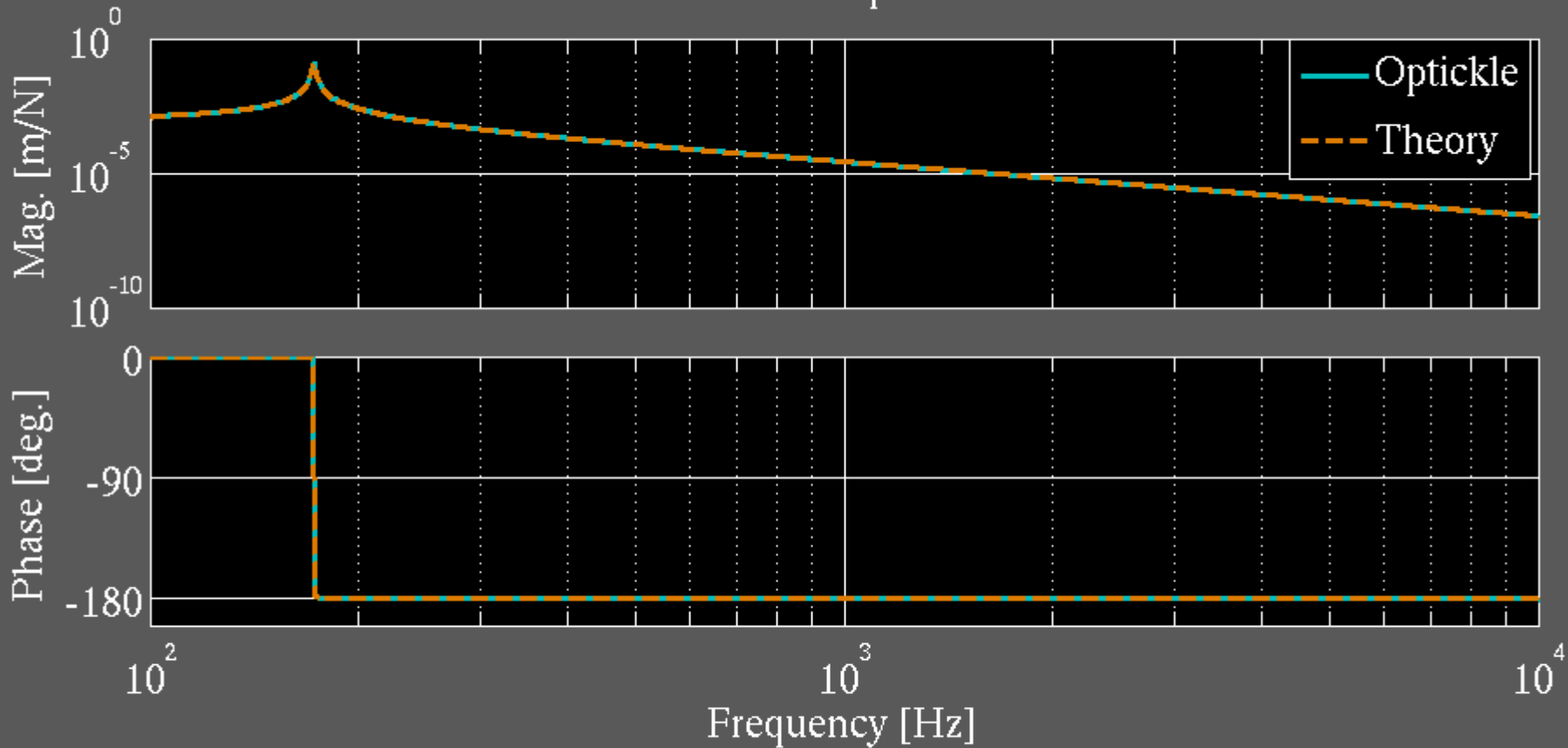
# Zero detuning, no springs

ETM response



# Equal & opposite detunings, weaker green

ETM response



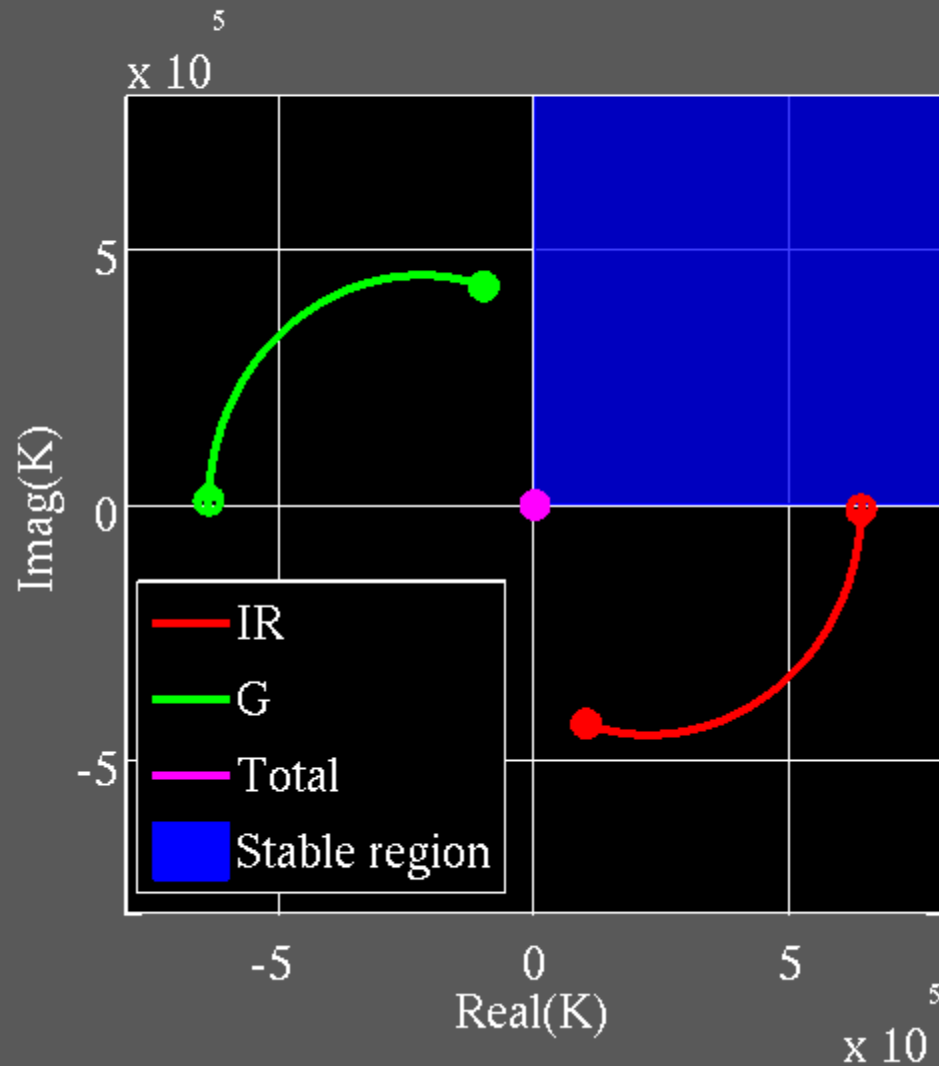
IR detuning [HWHM]      G detuning [HWHM]      PG/PIR

-5      5      -5      5      0.1      10

IR T1      G T1

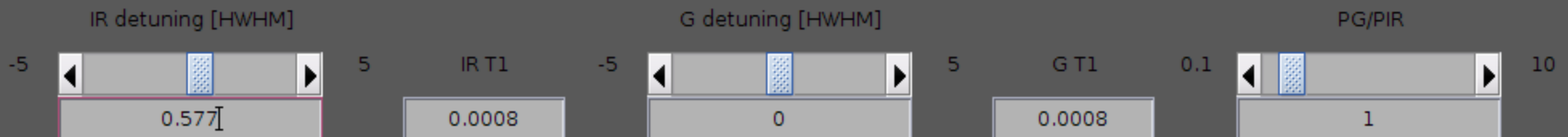
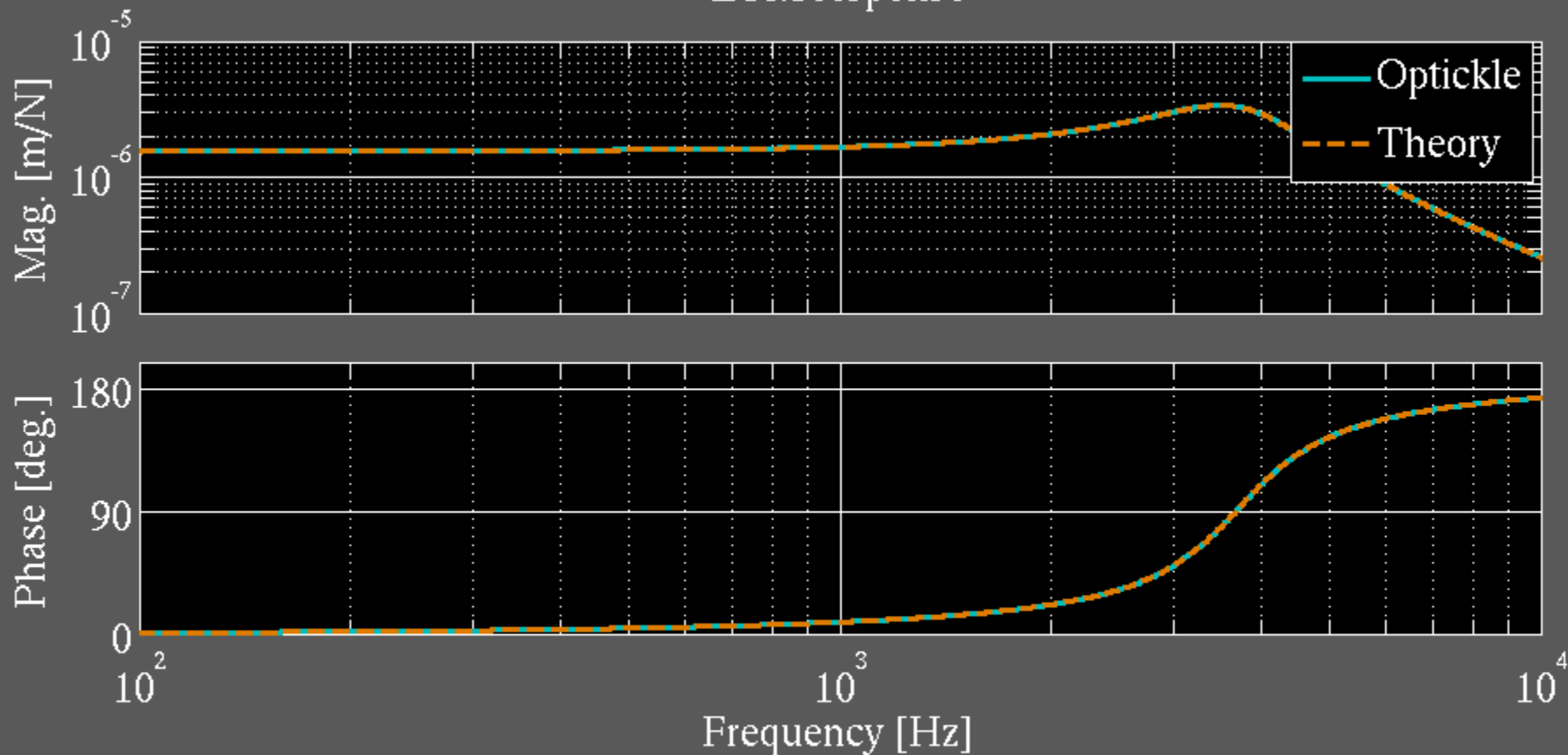
0.577      0.0008      -0.577      0.0008      0.5

# Equal & opposite detunings, weaker green

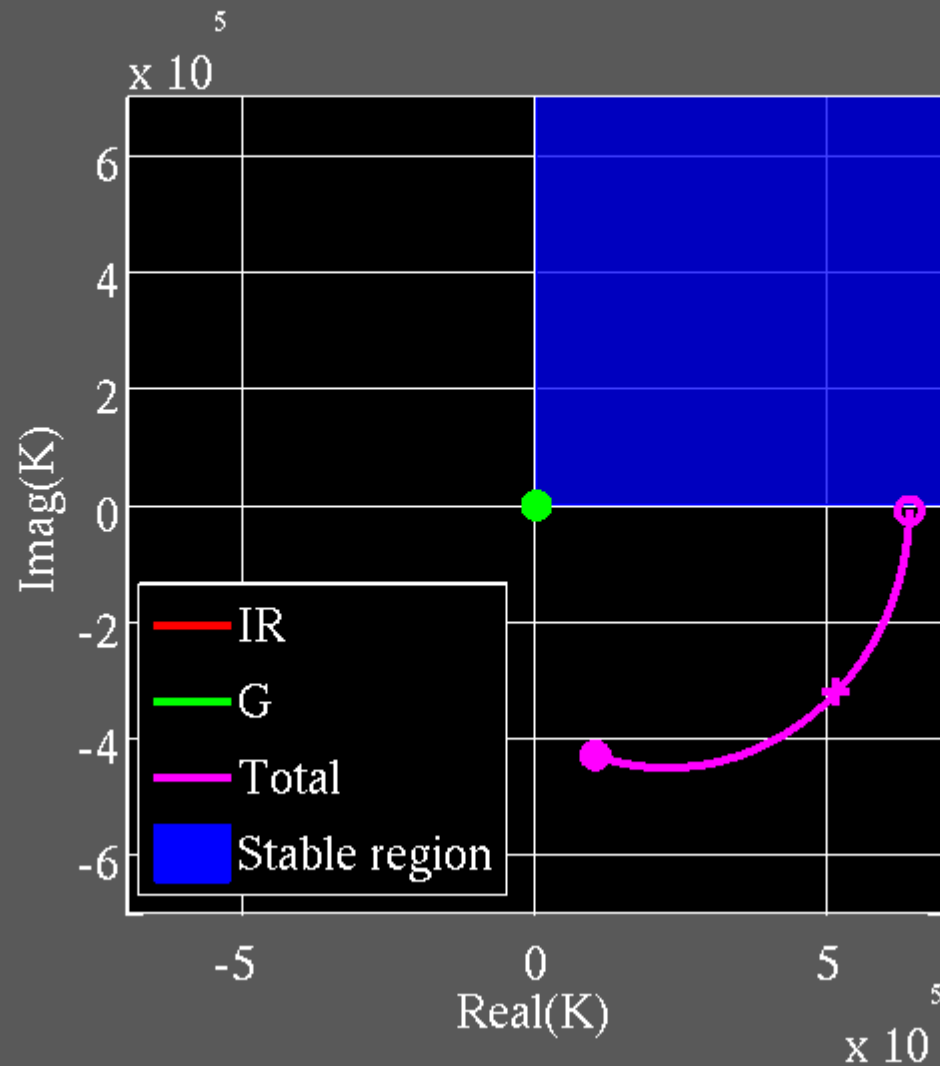


# IR detuned, unstable spring

ETM response

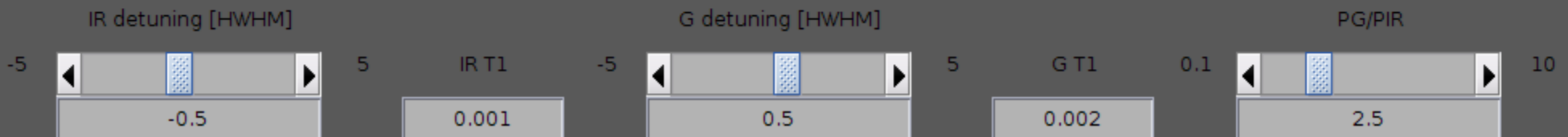
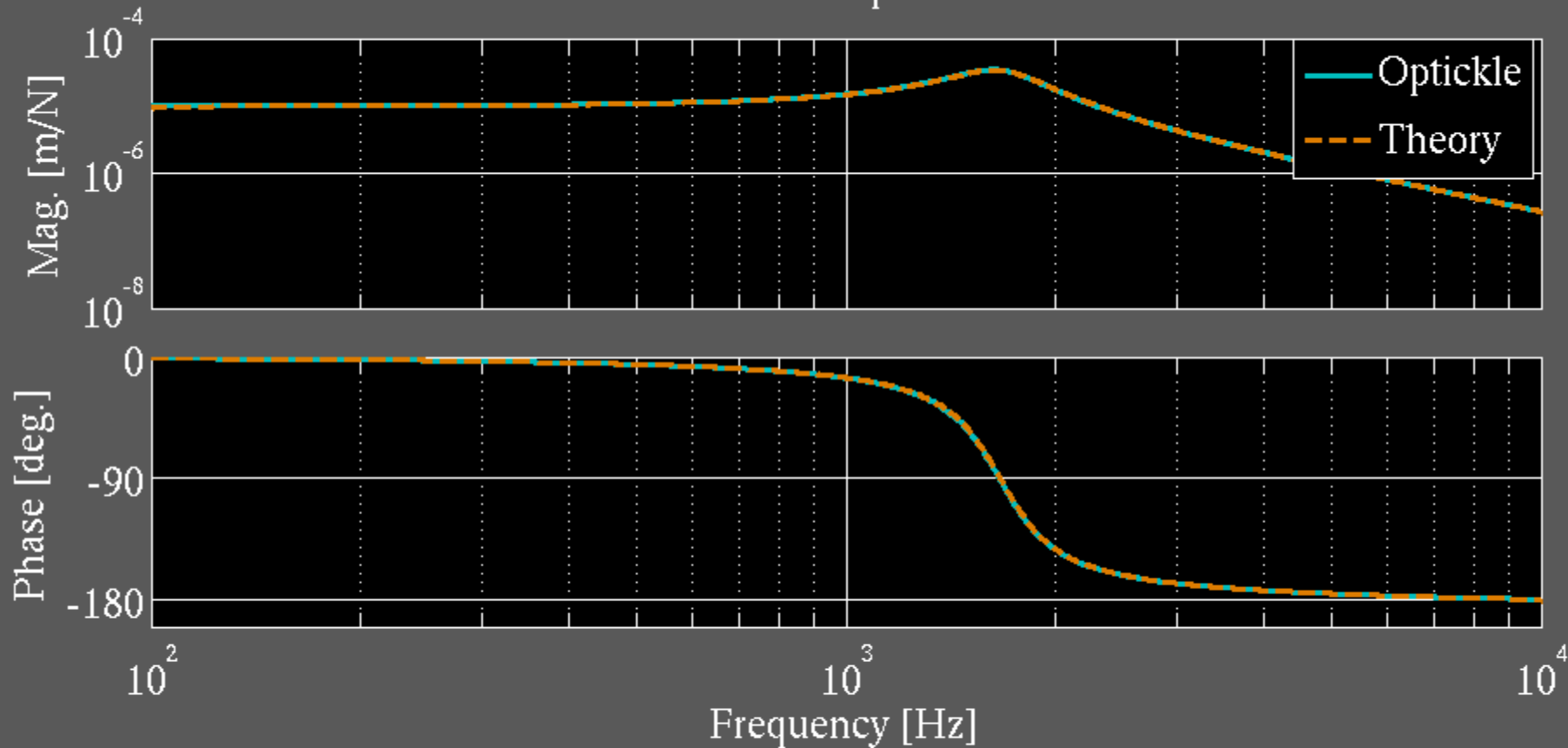


# IR detuned, unstable spring



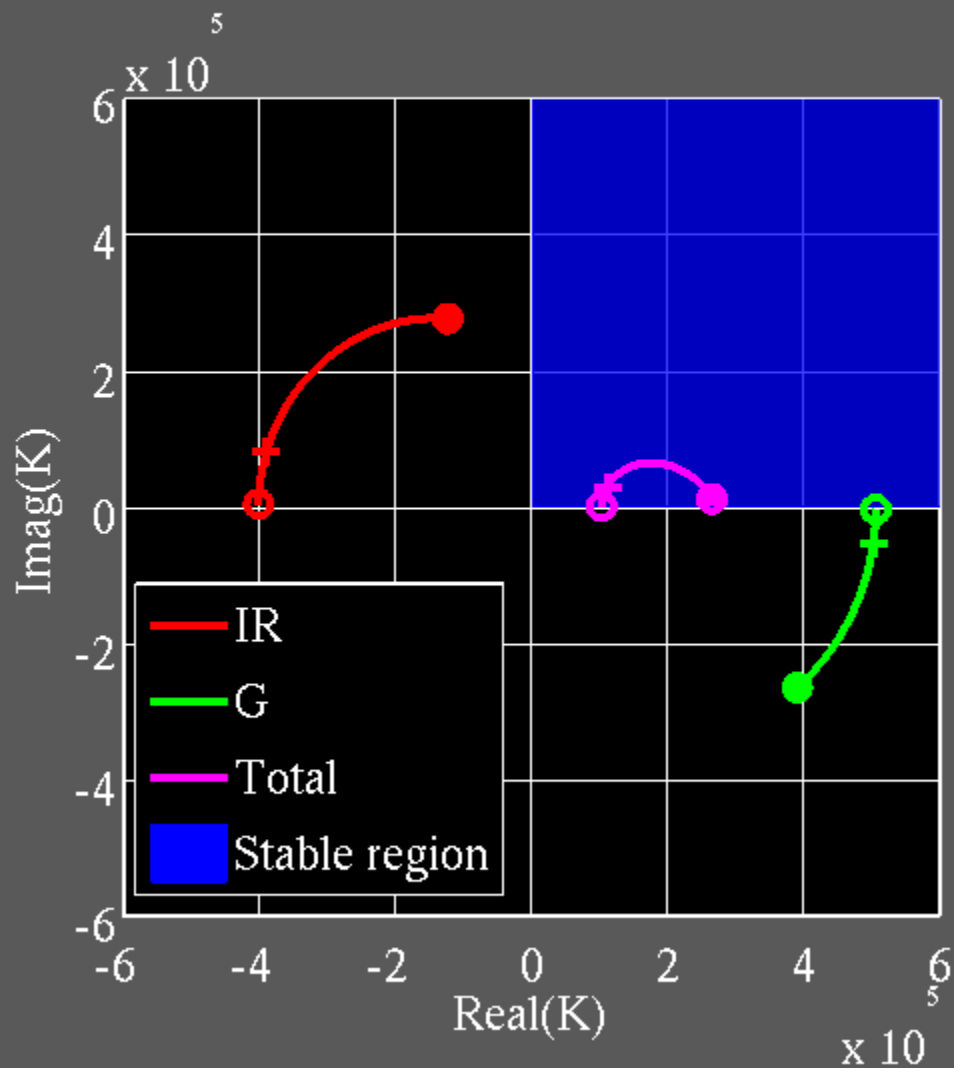
# Stable spring, equal detunings

ETM response



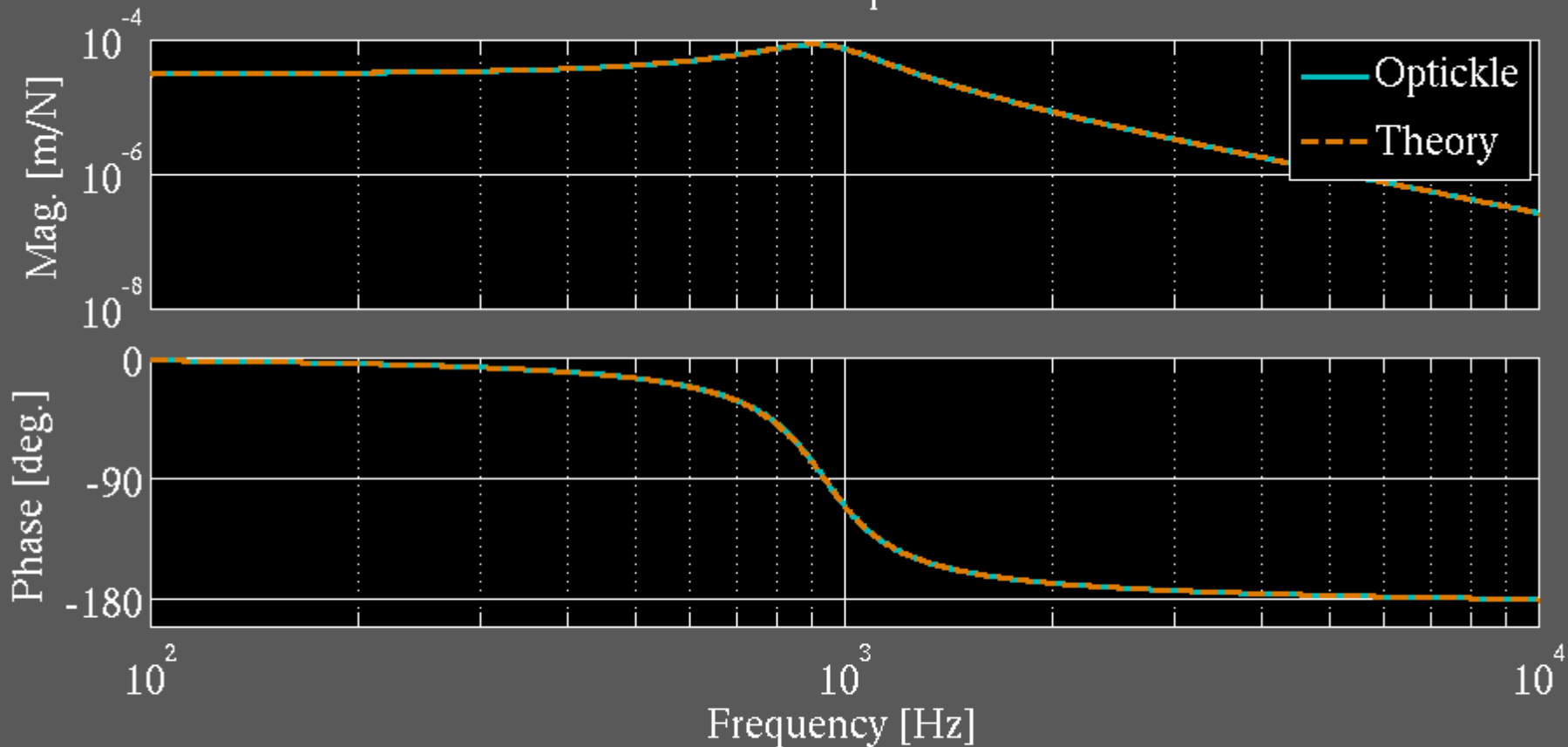


# Stable spring, equal detunings



# Stable spring, equal linewidths

ETM response



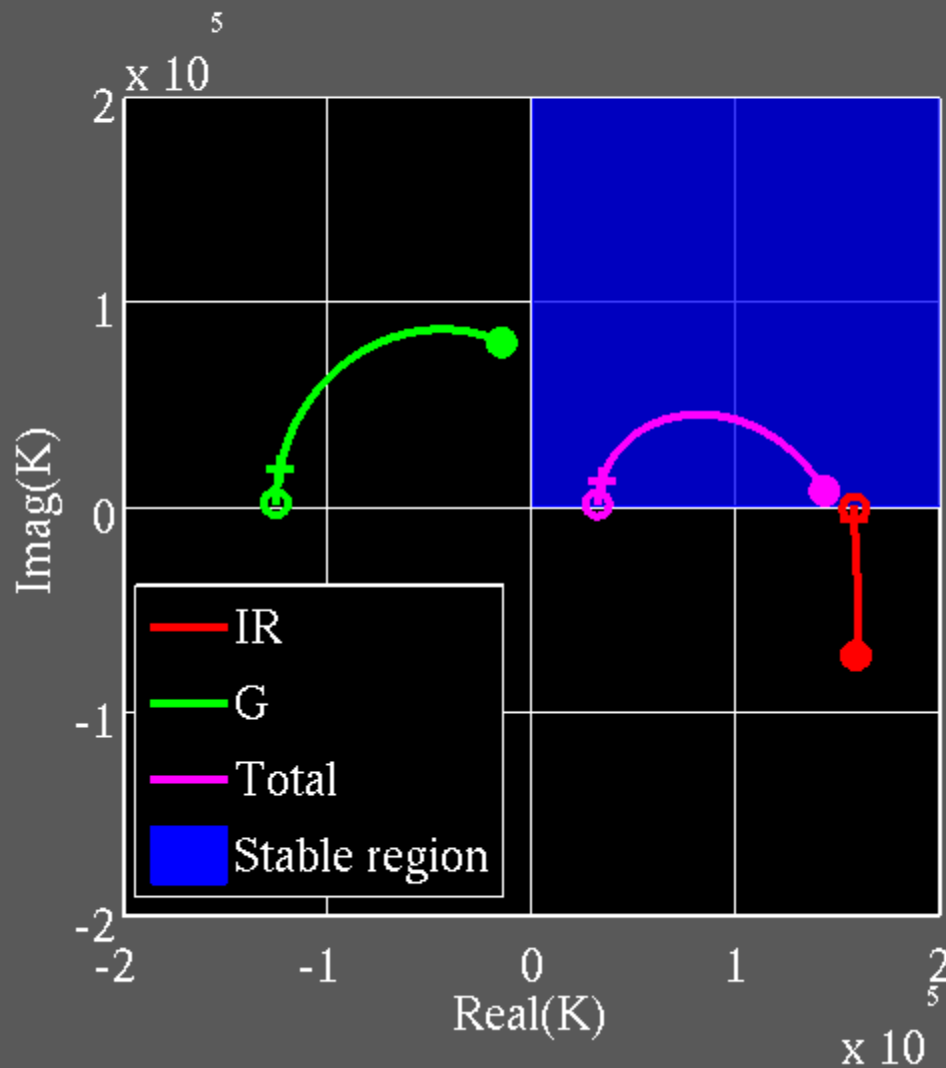
IR detuning [HWHM]      G detuning [HWHM]      PG/PIR

-5      5      -5      5      0.1      10

IR T1      G T1

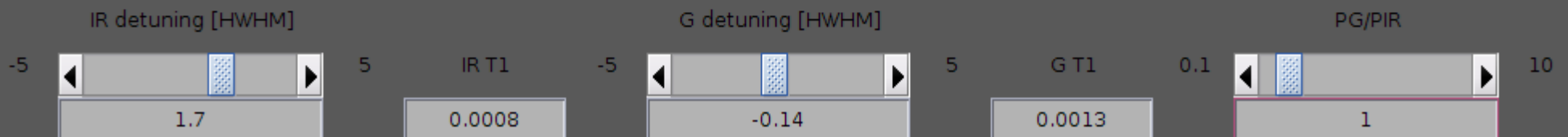
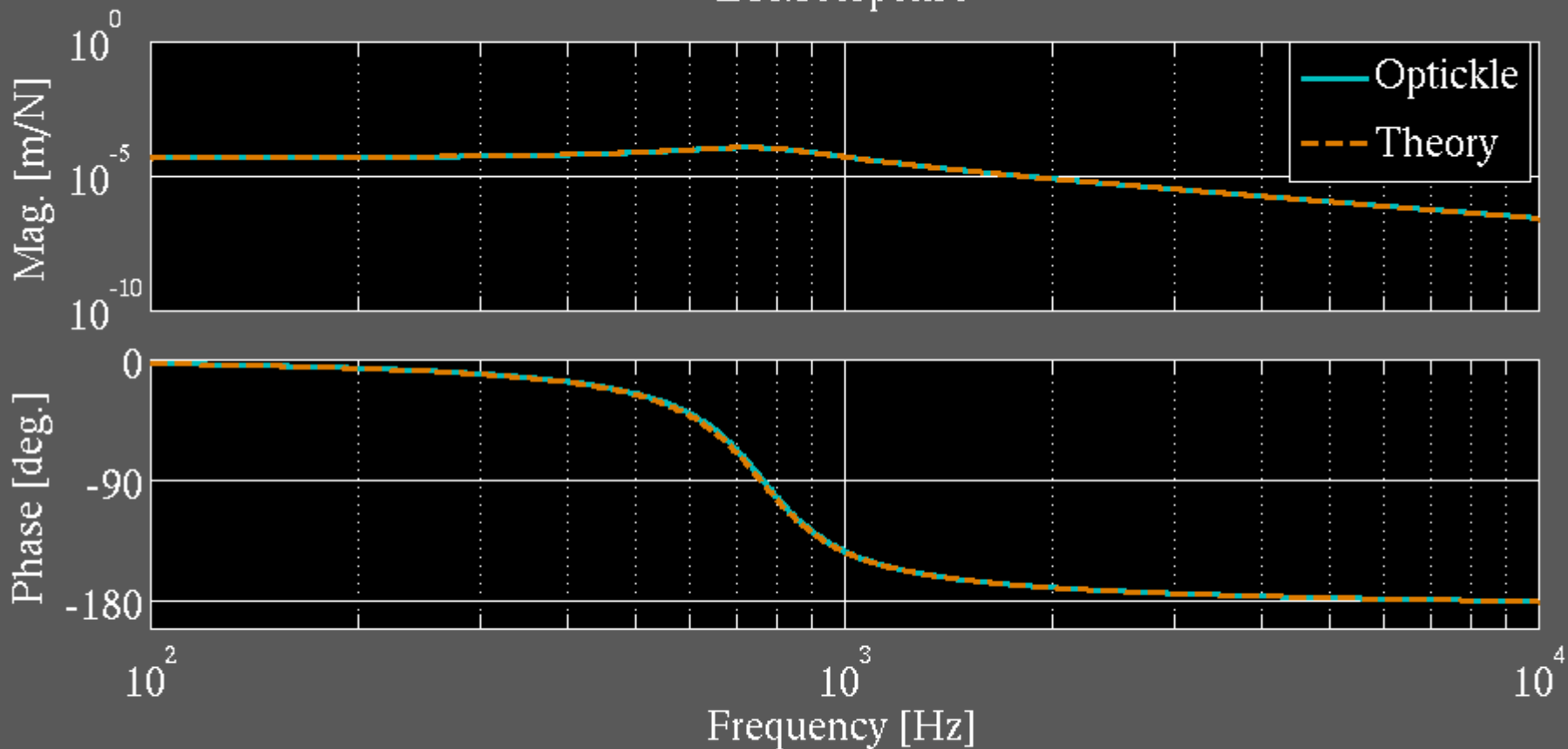
2      0.0008      -0.5      0.0008      0.1

# Stable spring, equal linewidths



# Stable spring, equal powers

ETM response



# Stable spring, equal powers

