## 26-Jan-2015 17:22:26

- Bar mass: 0.1317 kg

```
Torsion Suspension (suspTorsion.m)
 - torsion suspension wire material: Silicon
 - torsion suspension wire loss angle: 1e-09
 - torsion suspension wire temperature: 120 K
 - torsion wire diameter (single wire, multiplied safety factor 15x): 41.9824 um

    torsion suspension wire length: 0.4 m
    torsion spring constant (2 wire): 0.0004088 Nm/rad
    torsion bar inertia: 0.00035559kg*m^2

 - torsion resonance: 0.17065 Hz
You are not injecting squeezing..loozer!
- Seismic Isolator: MinusK
 - Seismic Ground Motion: LLO
 - Seismic Isolator: MinusK
 - Seismic Ground Motion: LLO
Laser Power:
                              0.010 Watt
SRM Detuning:
                                0.00 degree
SRM transmission:
                                1.0000
ITM transmission:
                                0.0140
PRM transmission:
                                1.0000
                             448.16
Finesse:
Power Recycling Factor:
                                1.00
Arm power:
                                0.00 kW
                                0.01 W
Power on beam splitter:
                                0.000 W
Thermal load on ITM:
Thermal load on BS: Reqired TCS_efficiency:
                                0.000 W
                                1.000(estimate, see IFOModel.m for definition)
BNS Inspiral Range:
                              0.000 Mpc
BBH Inspiral Range:
                              0.001 Mpc
Stochastic Omega: 4e+02 Universes
New Nebulous Range:
                              0.508 Mpc
TORPEDO Configuration
 - Bar length and diameter: 0.18 m x 0.02 m.
 - Bar material: Silicon
 Bar material loss angle: 1e+09Bar temperature: 120 K
```