```
ans =

29-Jul-2015 17:07:29



ifo =

              Bar: [1x1 struct]
           Optics: [1x1 struct]
    Infrastructure: [1x1 struct]
        Constants: [1x1 struct]
              TCS: [1x1 struct]
          Seismic: [1x1 struct]
       Atmospheric: [1x1 struct]
        Suspension: [1x1 struct]
         Materials: [1x1 struct]
             Laser: [1x1 struct]
          Squeezer: [1x1 struct]
      OutputFilter: [1x1 struct]

Torsion Suspension (suspTorsion.m)

rwire =

   2.2637e-04

 - torsion suspension wire material: Tungsten
 - torsion suspension wire loss angle: 1e-07
 - torsion suspension wire temperature: 293 K
 - torsion wire diameter (single wire, multiplied safety factor 1.5x): 452.7348
um
 - torsion suspension wire length: 0.6 m
 - torsion spring constant (2 wire): 0.027166 Nm/rad
 - torsion bar inertia: 0.6392kg*m^2
 - torsion resonance: 0.03281 Hz
You are not injecting squeezing..loozer!
 - Seismic Isolator: ANUP
 - Seismic Ground Motion: LLO
 - Seismic Isolator: ANUP
 - Seismic Ground Motion: LLO
Laser Power:               0.200 Watt
SRM Detuning:               0.00 degree
SRM transmission:           1.0000
ITM transmission:           0.0213
PRM transmission:           1.0000
Finesse:                  294.71
Power Recycling Factor:     1.00
Arm power:                  0.02 kW
Power on beam splitter:     0.20 W
Thermal load on ITM:        0.000 W
Thermal load on BS:         0.000 W
Reqired TCS efficiency:     1.000(estimate, see IFOModel.m for definition)
BNS Inspiral Range:        0.000 Mpc
BBH Inspiral Range:        0.002 Mpc
Stochastic Omega: 5e+01 Universes

New Nebulous Range:        1.248 Mpc

TORPEDO Configuration (nomm_anu_pType1.m)
 - Reference Cavity Length: 6.2 m
```

- Arm Lengths: 0.368 m
- Bar length and diameter: 0.6 m x 0.06 m.
- Bar material: Aluminium
- Bar material loss angle: 1.13e+06
- Bar temperature: 293 K
- Bar mass: 13.128 kg
- Bar Inertia: 0.6392 kg*m^2