```
ans =

08-May-2014 13:40:04


Warning: Polynomial is badly conditioned. Add points with distinct X
values, reduce the degree of the polynomial, or try centering and scaling
as described in HELP POLYFIT.]
> In <a href="matlab: opentoline('/Applications/MATLAB_R2013b.app/toolbox/matlab
/polyfun/polyfit.m',76,1)">polyfit at 76</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/getCo
atDopt.m',141,1)">getCoatDopt>getTweak at 141</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/getCo
atDopt.m',95,1)">getCoatDopt at 95</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/preco
mpIFO.m',29,1)">precompIFO at 29</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/gwinc
.m',89,1)">gwinc at 89</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/nomm_
anu_pType1.m',224,1)">nomm_anu_pType1 at 224</a>]
Warning: Exact coating tweak layer not found... 0.0343181% error.]
> In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/getCo
atDopt.m',104,1)">getCoatDopt at 104</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/preco
mpIFO.m',29,1)">precompIFO at 29</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/gwinc
.m',89,1)">gwinc at 89</a>
  In <a href="matlab: opentoline('/Users/slagmolen/Dropbox/Mango/gwincTOBA/nomm_
anu_pType1.m',224,1)">nomm_anu_pType1 at 224</a>]
Torsion Suspension (suspTorsion.m)
 - torsion wire diameter (Tungsten, single wire): 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: CMG3T
 - Seismic Ground Motion: LLO
 - Seismic Isolator: CMG3T
 - Seismic Ground Motion: LLO
Laser Power:              1.500 Watt
SRM Detuning:              0.00 degree
SRM transmission:          1.0000
ITM transmission:          1.0000
PRM transmission:          1.0000
Finesse:                   6.28
Power Recycling Factor:    1.00
Arm power:                 0.00 kW
Power on beam splitter:    1.50 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: 3e+01 Universes

New Nebulous Range:       0.927 Mpc

Bar length and diameter: 0.6 m x 0.06 m. (dumbell)
Bar mass (Aluminium, Q~1.13M): 13.128 kg
Bar and Suspension temperature: 293 K and 293 K.
```