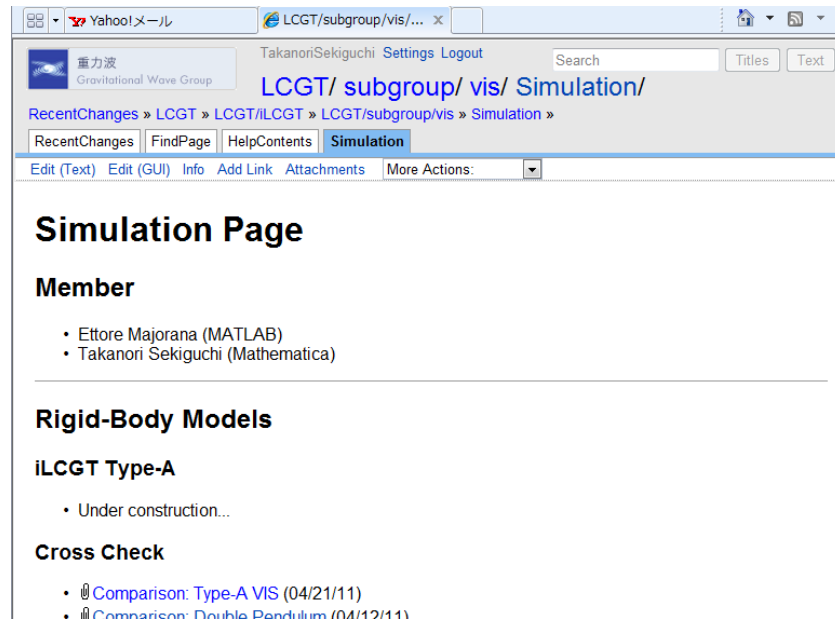


Report T. Sekiguchi

\* “Simulation Page” is established on JGW Wiki:

<http://gwwiki.icrr.u-tokyo.ac.jp/JGWwiki/LCGT/subgroup/vis/Simulation>

Parameter lists, calculation results, and Mathematica codes will be uploaded.



\* Discussion with people in main interferometer subgroup  
about angular sensing and control

→ They claim that resonant freq of the pitch mode of TM ( $\sim 2.5$  Hz) is so high.

Unity gain freq of the control should be higher than this resonant freq.

Control in high freq will produce control noise (shot noise)

Is it possible to make wire distance shorter ?? (current design: 3 cm)