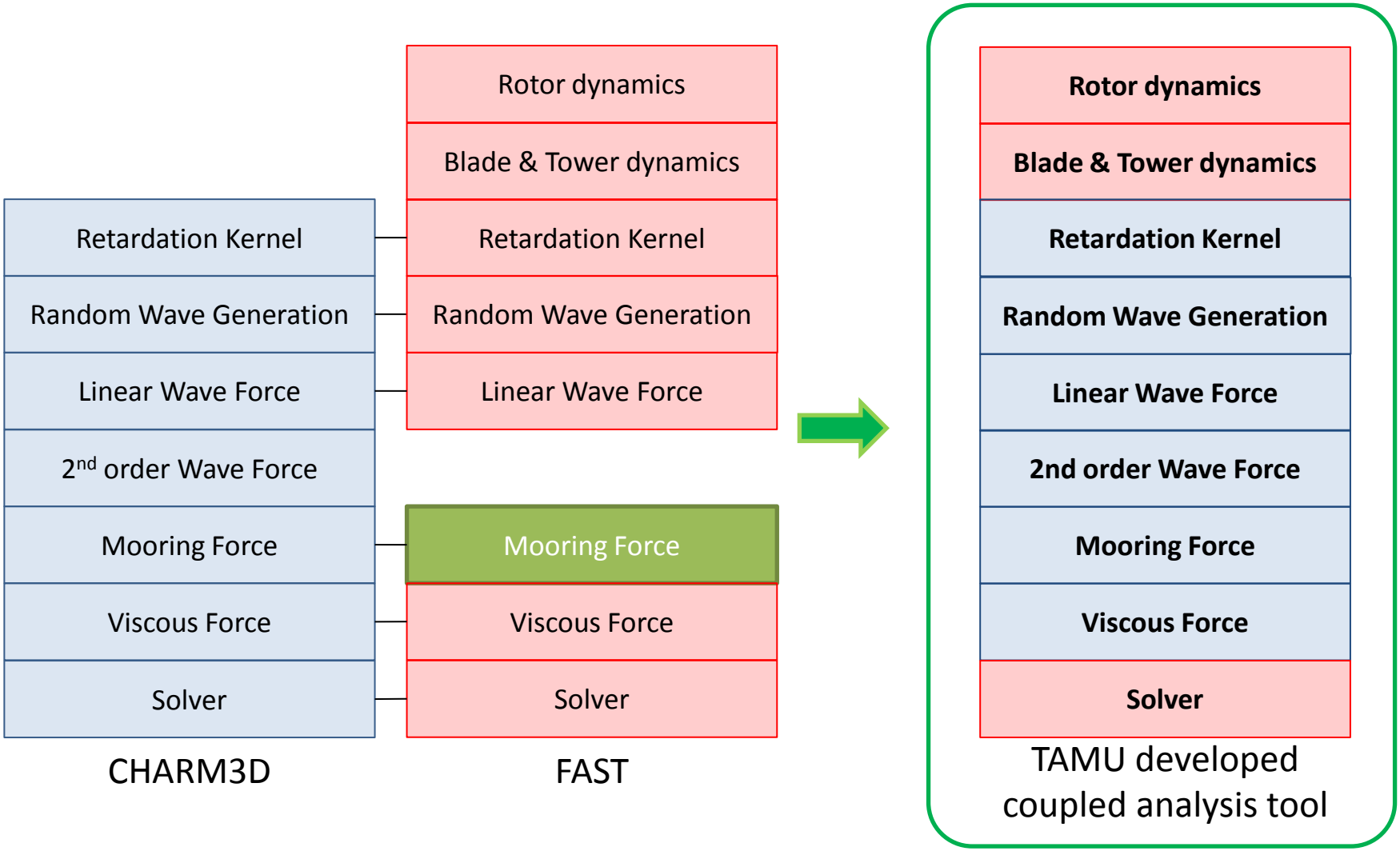
FAST+CHARM3D Coupled Modules



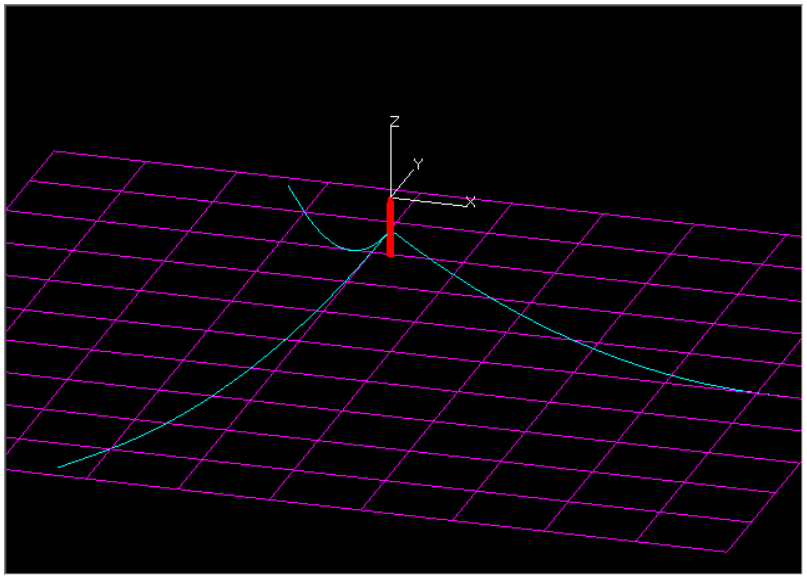
Mooring & Anchor

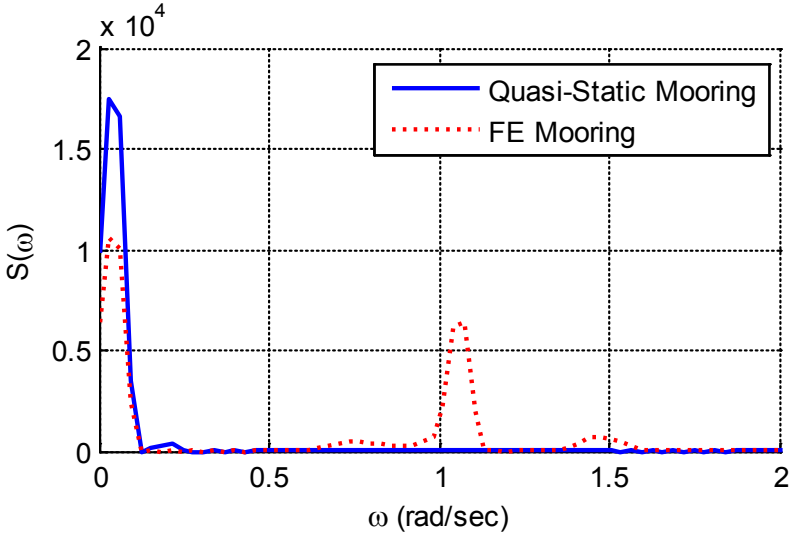
- FE Mooring Dynamics Program for FAST+HYDRODYN (by TAMU):

  FORTRAN source code (public domain)

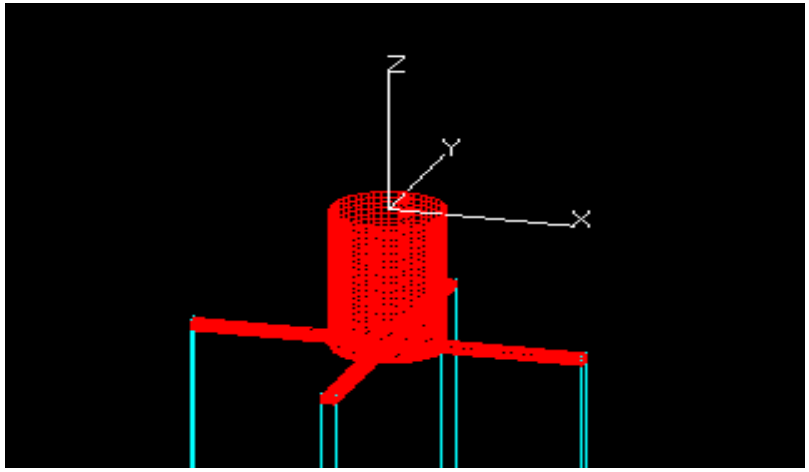
- Anchor Data Base (by ABS)

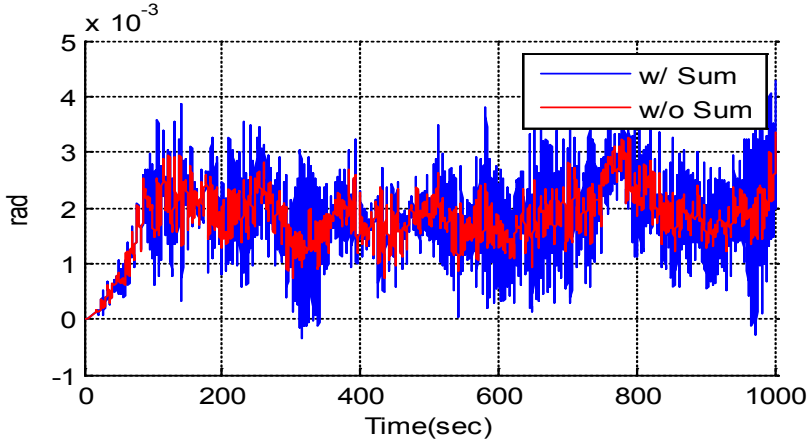
Hywind Spar Mooring Tension

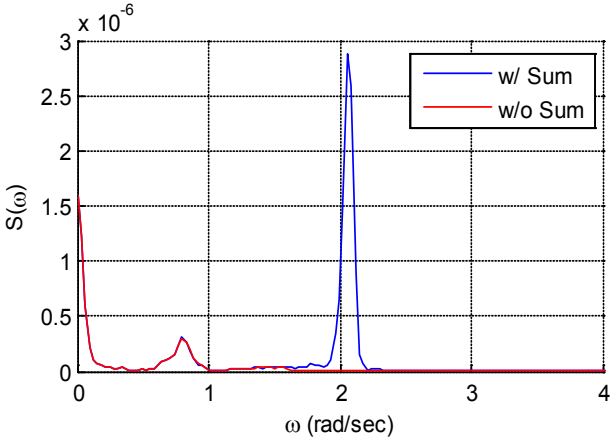




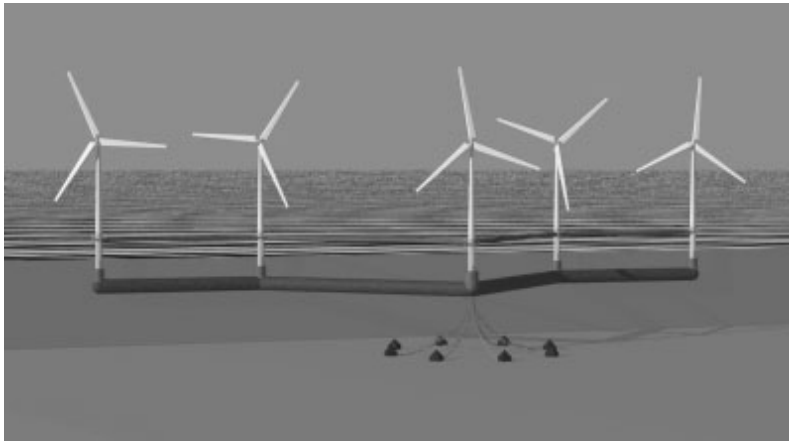
Importance of 2nd-order Wave Loading (TLP type, non-rotating blade)





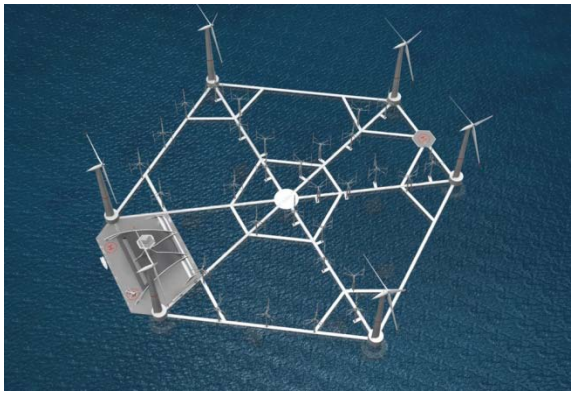


Multiple Unit Floating Offshore Wind Farm



Semi-submersible type floating wind turbine (Henderson et al. 2000).

Poseidon (wind & wave in one) (2010)



Hexicon proposed model (2012)

Semi-submersible type floating wind turbine (Ishihara et al. 2007)

NMRI concept of pontoon-type wind turbine