Recent Progress:

1. Verification of Frequency response continued.
2. Added ability to parse multiple dyd
3. Proportional governor agent pgov1 created and tested
4. GitHub repository updated:

   `https://github.com/thadhaines/LTD_sim`

Current Tasks:

1. Refine data output - Dictionary structure, variable naming, functionality, meta...
2. Prepare project presentation for Power Meeting (02/05/19?)
3. Think about combining files into packaged library

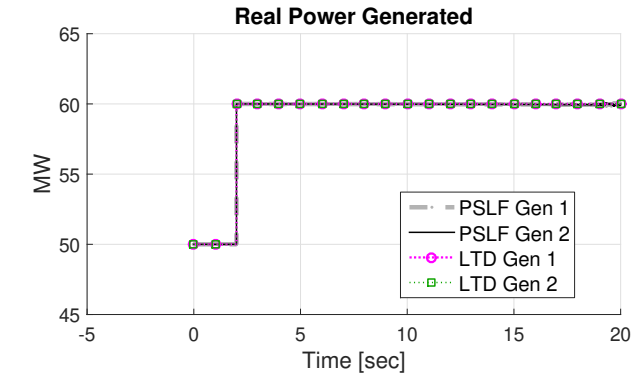
Future Tasks: (Little to No Progress since last time)

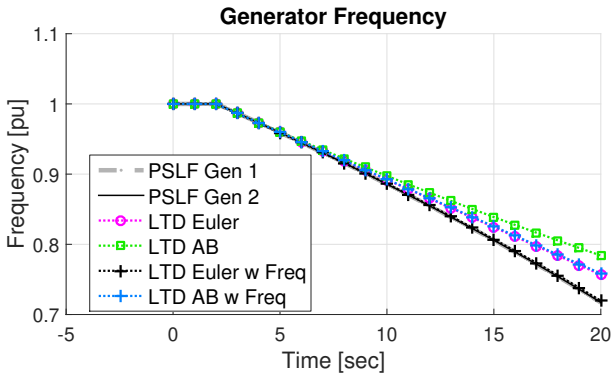
1. Basic plotting templates/functions for MATLAB and python3
2. An agent for every object: Shunt, SVD, Branch, Transformer, Power Plant, ...
3. Investigate line current data in PSLF
4. Identify Slack bus programmatically

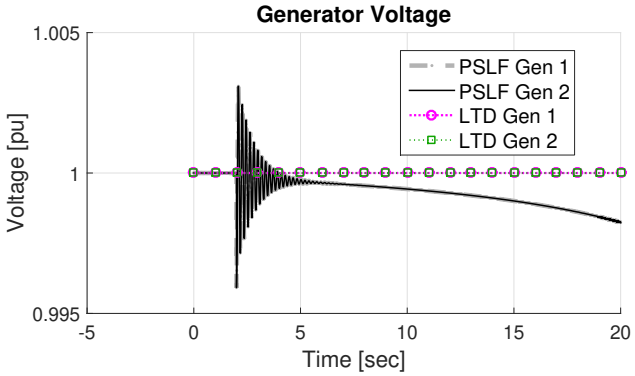
Current Questions:

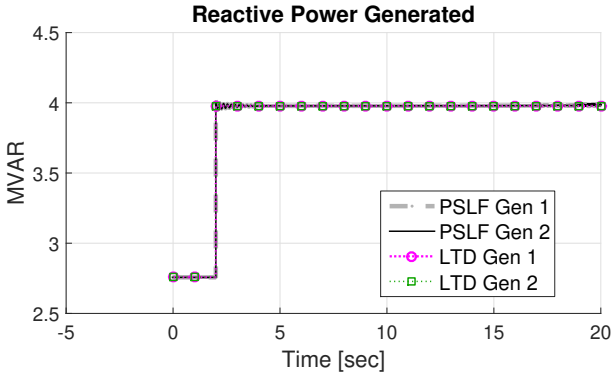
1. Overview of planned PSLF scenarios? (draw picture?)
2. Is there any available/relevant event data that may help us to verify simulations of specific instances (wind ramps or other behavior) that the novel research will focus on?
   (Same as last time)

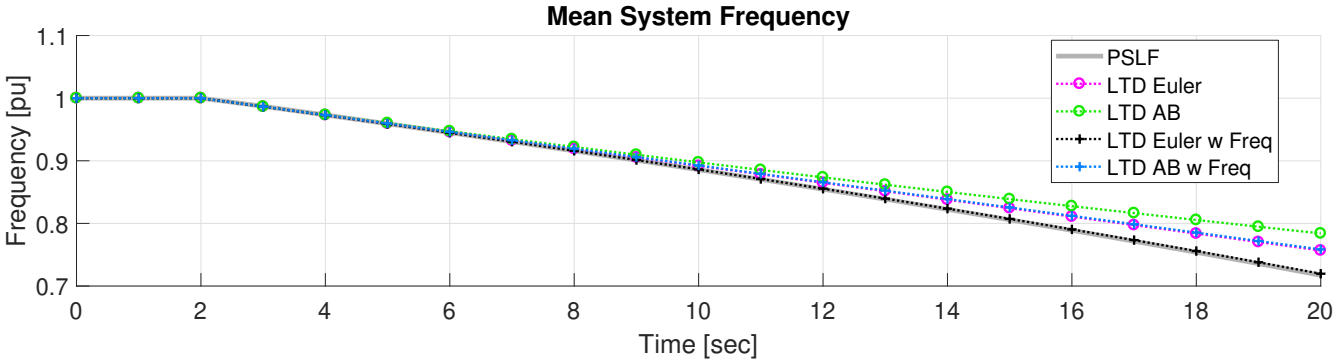
EE544 Base System Results: Stepping a 20 MW Load on at t=2

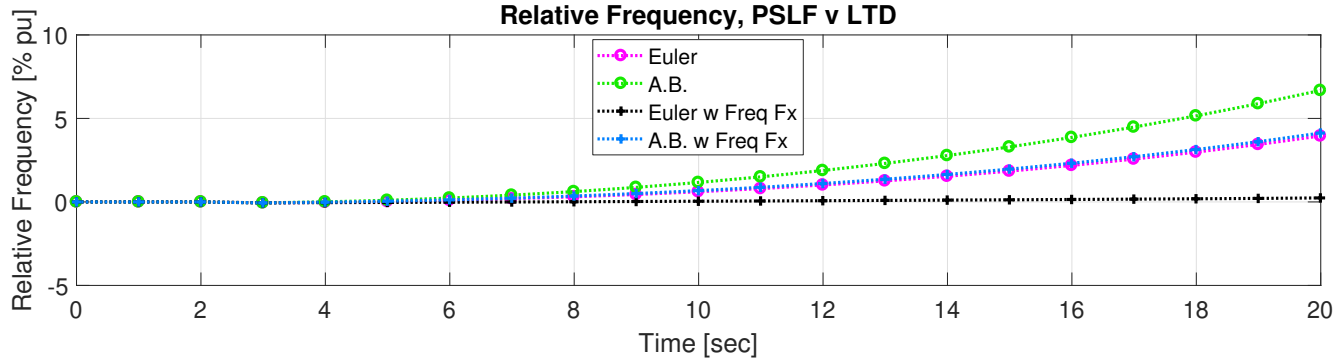




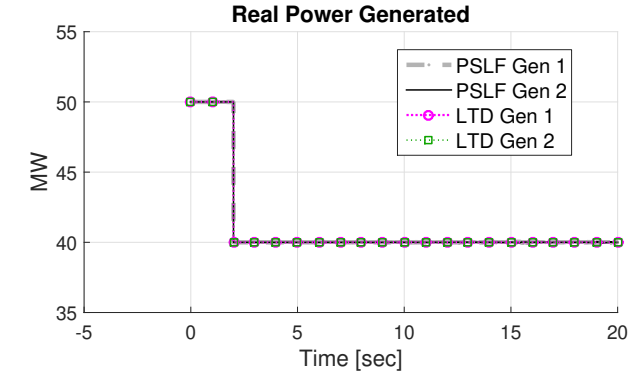


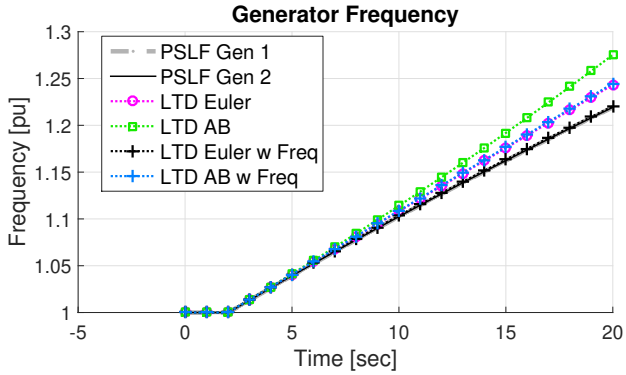


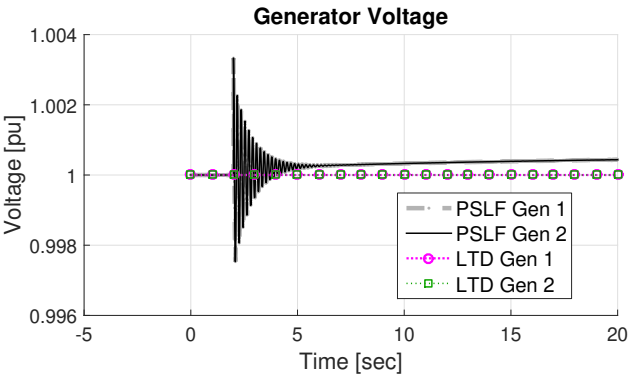


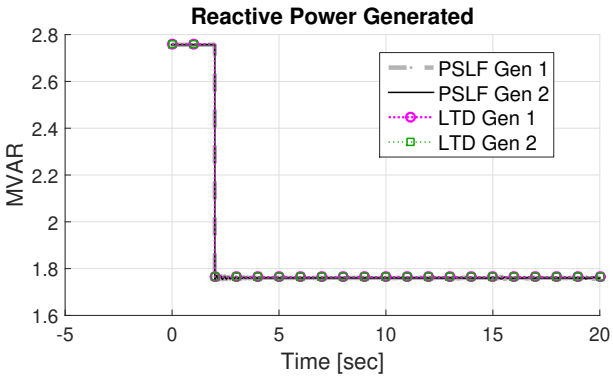


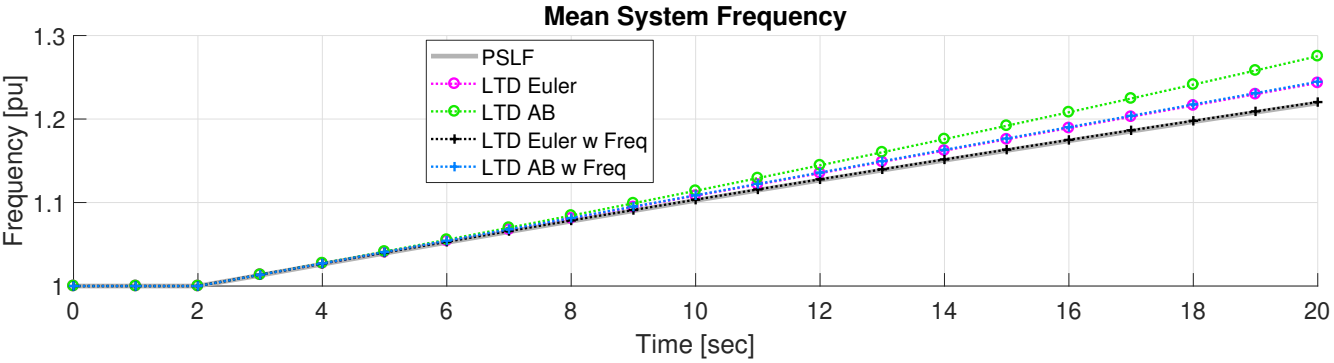
Stepping off a 20 MW Load at t=2

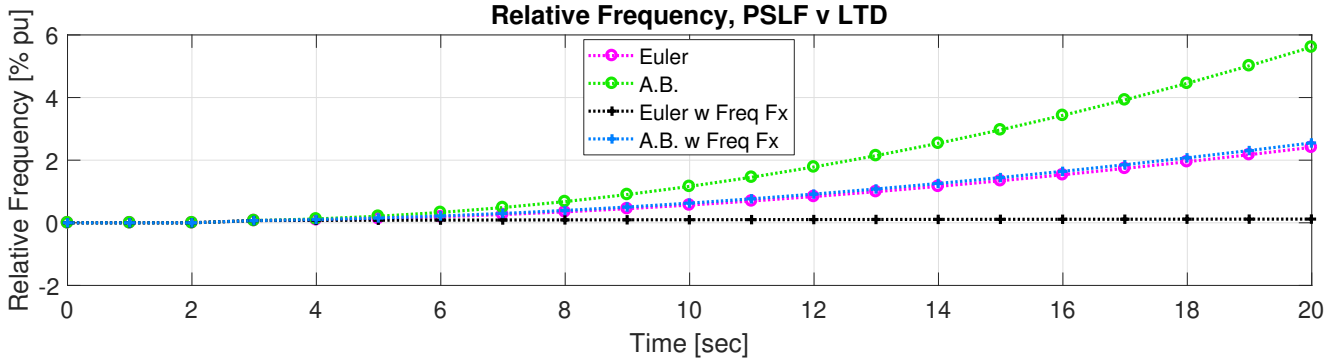




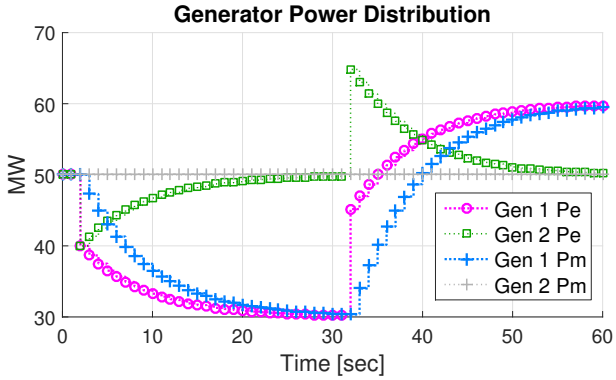


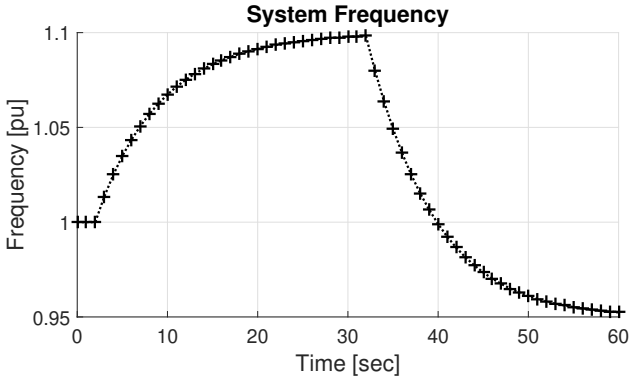


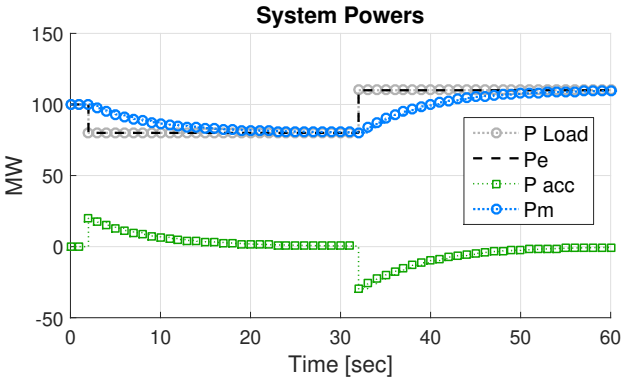


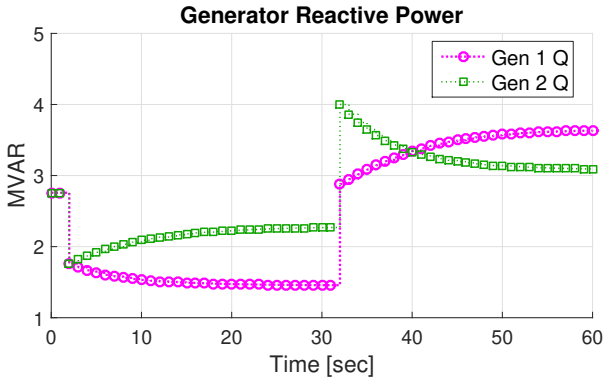


pgov1 Tests: Stepping 20 MW of load down at t=2, then 30 MW up at t=32.
pgov1 on only gen 1:









pgov1 on both gens: