

TRC 2019 Project 2 WP 2 Meeting 5

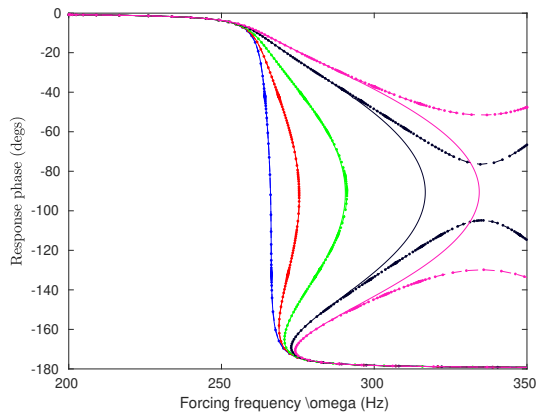
Eve, Nidish, Paw

July 26, 2019

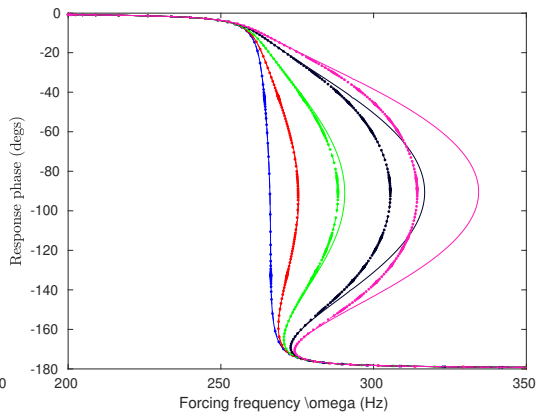
Overview

- ▶ Have been training PNLSS using Multisine data with frequencies around the 1st, 2nd, and 3rd modes separately as well as together
- ▶ Primary focus here is on benchmarks 2 & 3
- ▶ The BLA is able to predict well that the number of states required is 6 for the simulations
- ▶ Have also tried to implement the shaker model along with the HB simulations, but here EPMC does not seem to get the correct results
- ▶ I'm implementing the phase-resonance condition as an extra equation for this currently

Benchmark 2 I

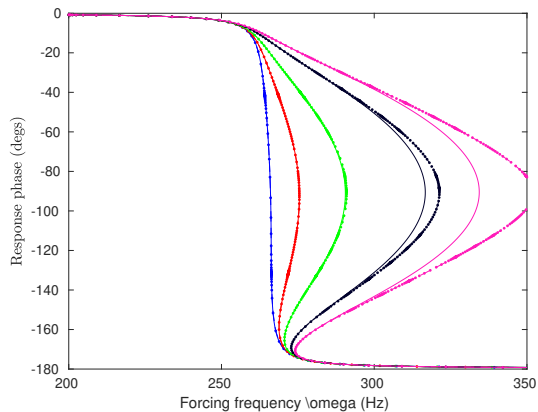


(a) $u=0.01$

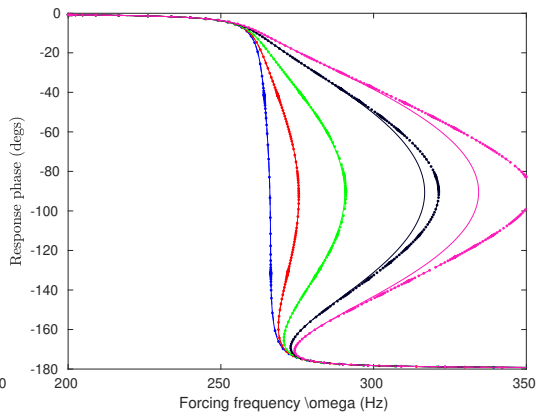


(b) $u=0.05$

Benchmark 2 II

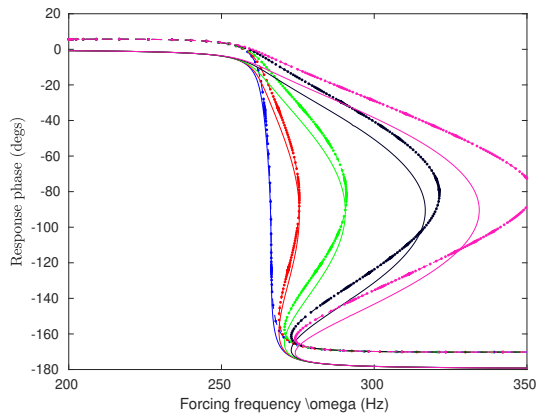


(c) $u=0.10$

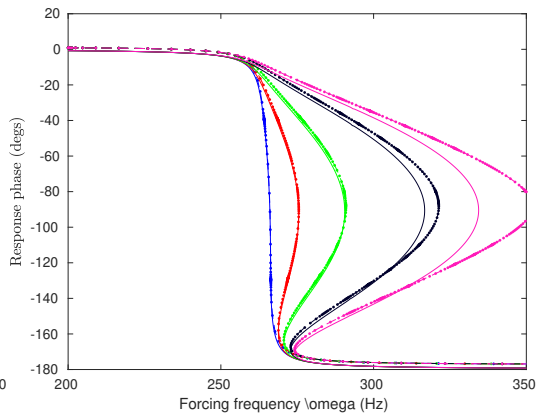


(d) $u=0.15$

Benchmark 2 III



(e) $u=0.20$



(f) $u=0.25$