cobravmec checks

checks

- SA = 'Stand alone'
- NS = 'Not specified'

- SA vmec (lnyquist=f) -> wout -> SA cobravmec
- SA vmec (lnyquist=t) -> wout -> SA cobravmec
- SA vmec (lnyquist=NS) -> wout -> SA cobravmec

- Stellopt(single iter) (lnyquist=f)–> wout -> SA cobravmec
- Stellopt(single iter) (lnyquist=t)–> wout -> SA cobravmec
- Stellopt(single iter) (lnyquist=NS)–> wout -> SA cobravmec

- Stellopt(lmdiff_bounded, nfunc_max=1) (lnyquist=f)–> stellopt.out
- Stellopt(lmdiff_bounded, nfunc_max=1) (lnyquist=t)–> stellopt.out
- Stellopt(lmdiff_bounded, nfunc_max=1) (lnyquist=NS)–> stellopt.out

- Stellopt(lmdiff_bounded, nfunc_max=10 (>1)) (lnyquist=f)–> stellopt.out
- Stellopt(lmdiff_bounded, nfunc_max=10 (>1)) (lnyquist=t)–> stellopt.out
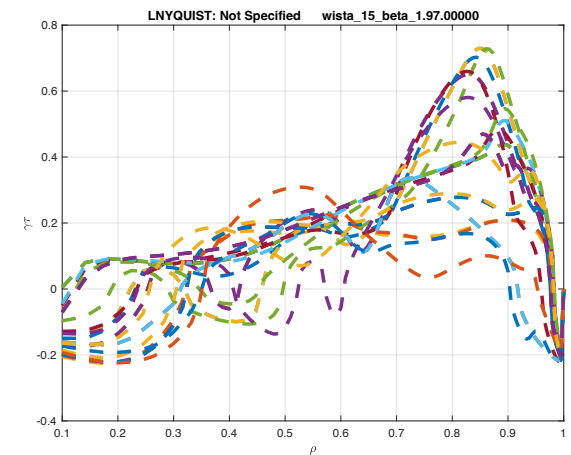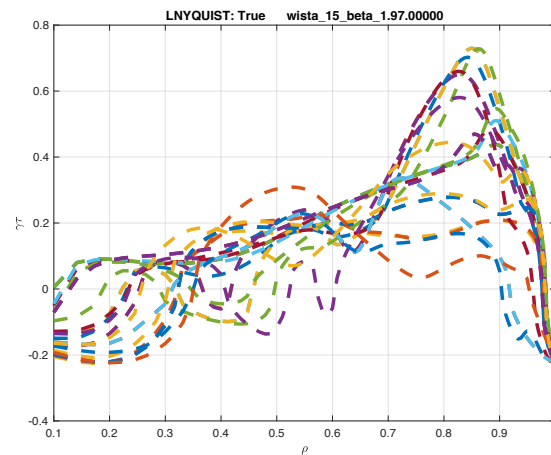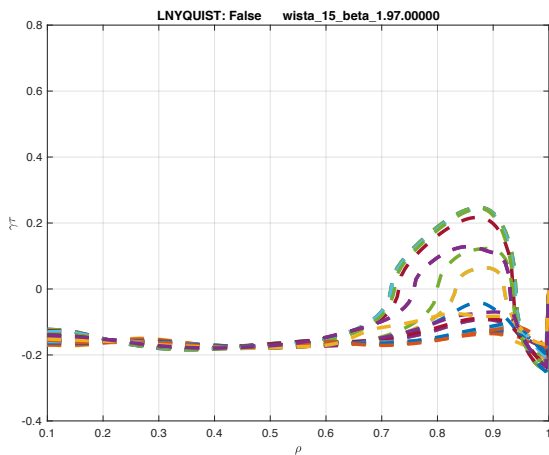- Stellopt(lmdiff_bounded, nfunc_max=10 (>1)) (lnyquist=NS)–> stellopt.out

Stand-alone VMEC->COBRAVMEC
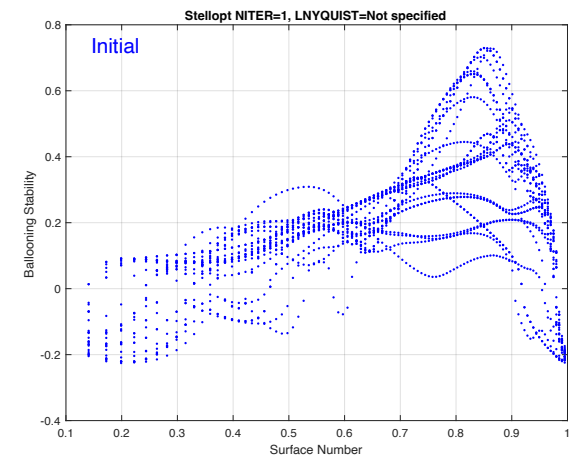
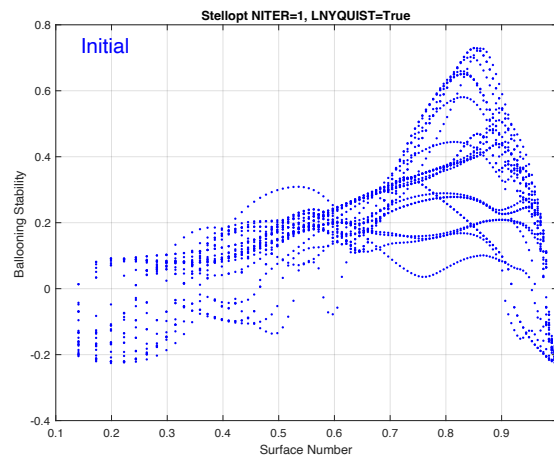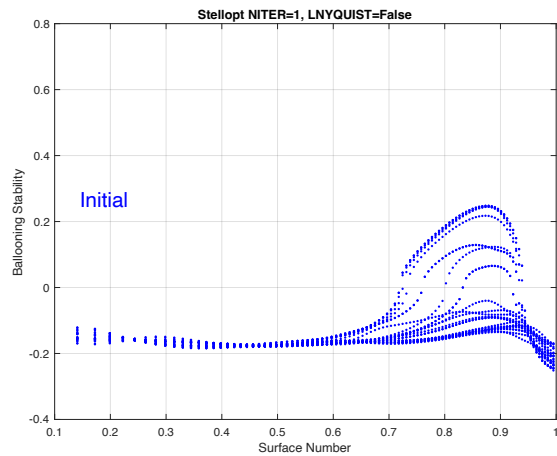- Only LNYQUIST=F produces correct results
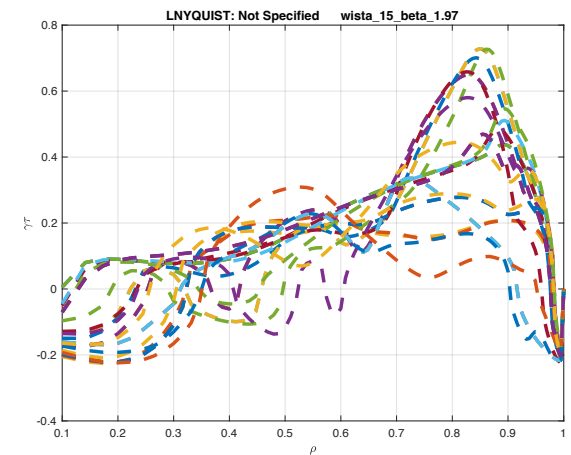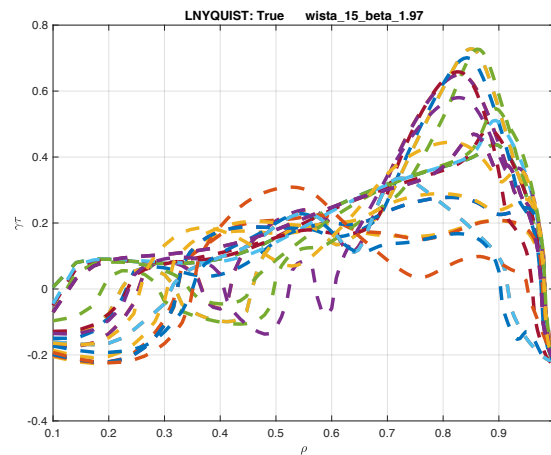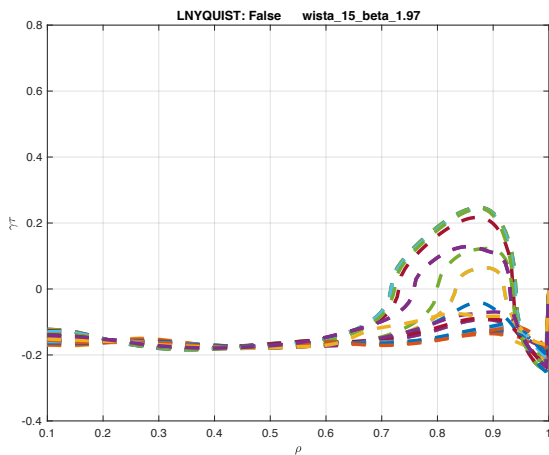
Stellopt (Single Iteration) -> COBRAVMEC

- Only LNYQUIST=F produces correct results

Stellopt (Single Iteration) -> Ballooning cost fcn

- ## Only LNYQUIST=F produces correct results

Stellopt (Multi Iteration) -> Ballooning cost fcn (inspecting only the first iteration)

- Only LNYQUIST=F produces correct results