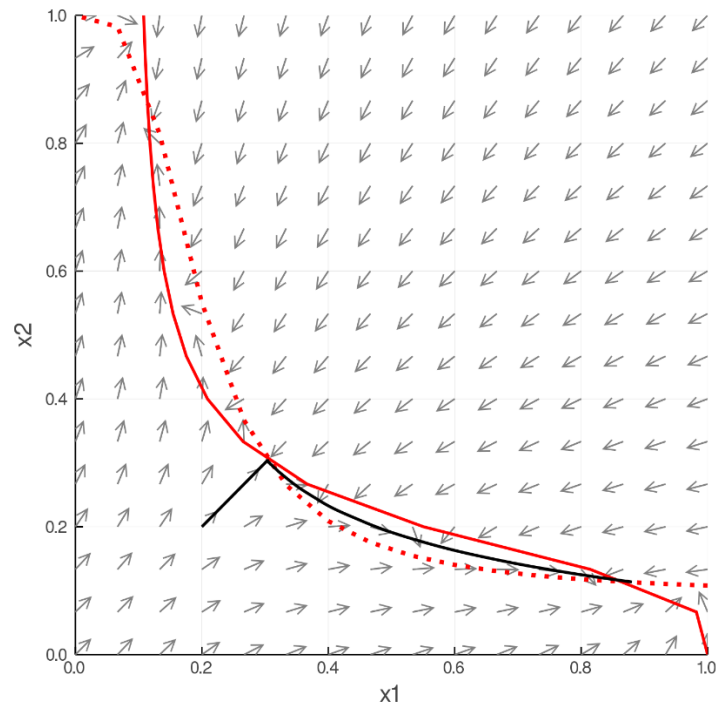
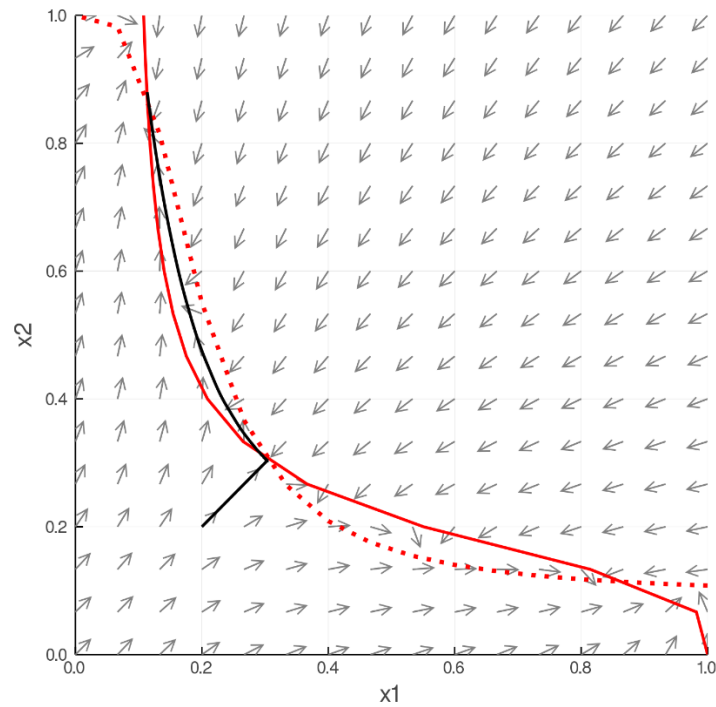


The four phase portraits were made by executing NotchDeltaPhasePortrait.jl, and uncommenting one of the four initial state vectors. In lines 28-31.

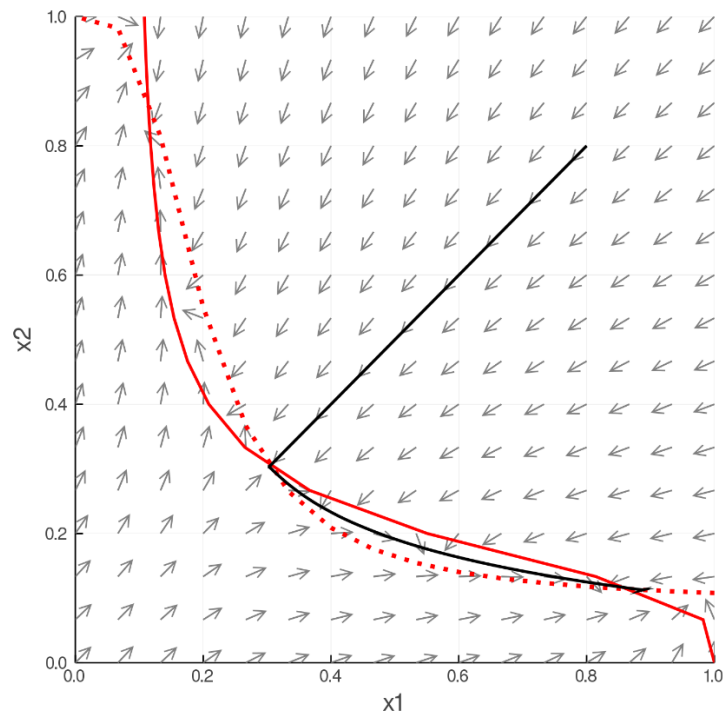
$D1=D2=0.2$  perturbD1 (this plot was made by uncommenting line 28, and generating a phase portrait for the corresponding  $x_0$  vector)



$D1=D2=0.2$  perturbD2 (this plot was made by uncommenting line 29, and generating a phase portrait for the corresponding  $x_0$  vector)



$D1=D2=0.8$  perturbD1 (this plot was made by uncommenting line 30, and generating a phase portrait for the corresponding  $x_0$  vector)



$D1=D2=0.8$  perturbD2 (this plot was made by uncommenting line 31, and generating a phase portrait for the corresponding  $x_0$  vector)

