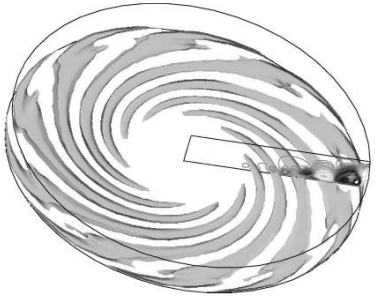
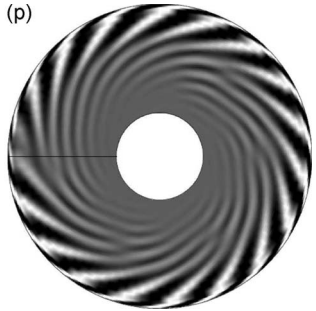
Direct numerical simulation

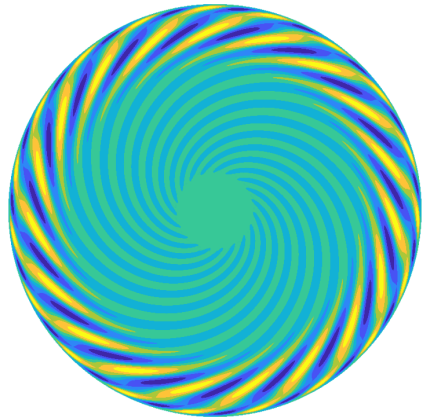


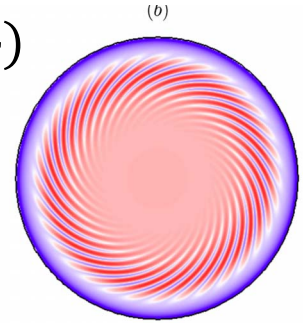


(Serre et al., Pof 2004)

(Poncet et al., Pof 2009)

Linear stability analysis





(Lopez et al., Pof 2009)

(Gelfgat., Fluid Dyn. Res. 2015)

Numerics: Spirlas are a supercitical Hopf bifurcation, but no sign of circular rolls.