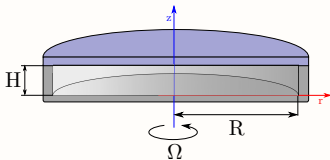


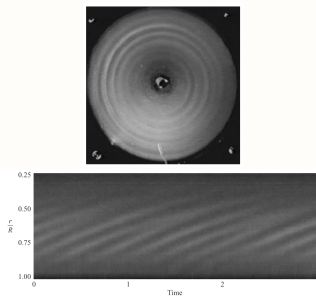
Noise-sustained vs. self-sustained structures in rotor-stator flow

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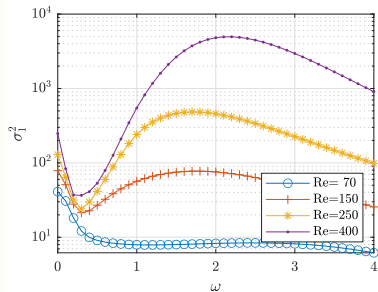


Rotor-stator configuration,
 $Re = \Omega H^2 / \nu$ $\Gamma = R/H$

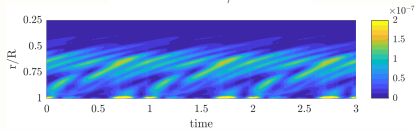
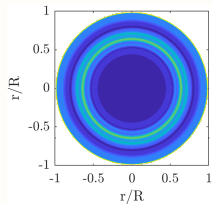


Circular rolls, $Re = 225$, $\Gamma = 8.75$,
experiment in Marseille
(Schouveiler et al., 1998)

Current study - numerical results



Optimal gain measured as the maximal singular value of the resolvent operator



Time integration - unsteady boundary forcing. $Re=225$.