

Small divisors in Fluid Mechanics

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1. Quasipatterns solutions of the Swift-Hohenberg PDE
2. Quasipatterns in the superposition of two hexagonal patterns for the Swift-Hohenberg PDE
3. Existence of quasipatterns, solutions of the Bénard-Rayleigh convection problem
4. 2D standing waves on an infinitely deep perfect fluid, under gravity
5. Non symmetric 3D travelling gravity waves