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Recent developments for convex integration on fluid PDEs

I will review recent developments on the technique of convex integration applied to PDEs in hydrodynamics (mainly stochastic ones) that has led to various non-uniqueness results in both deterministic and stochastic cases. Examples of equations include the Navier-Stokes equations, magnetohydrodynamics system, surface quasi-geostrophic equations, and transport (continuity) equation, etc.