

Global strong solvability of the Navier-Stokes equations in exterior domains for rough initial data in critical spaces

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It is well known that there are unique global strong solutions of the Navier-Stokes equations for the standard domains when the initial data is small in L_σ^n . Global well-posedness has been enlarged to the rough initial data in larger critical spaces. This talk is about the global strong solvability of the Navier-Stokes equations for the smooth exterior domain when the initial data is small in some critical spaces larger than L_σ^n .