

# On the inviscid limit for 2D incompressible stochastic Navier-Stokes equations with friction type boundary conditions.

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## Abstract

We consider stochastic Navier-Stokes equations in a 2D-bounded domain with the Navier with friction boundary condition. We establish the existence and the uniqueness of the solutions and study the vanishing viscosity limit. More precisely, we prove that solutions of stochastic Navier-Stokes equations converge, as the viscosity goes to zero, to solutions of the corresponding stochastic Euler equations. This talk is based on the work [1].

## References

- [1] Cipriano F., Torrecilla I., “Inviscid limit for 2D stochastic Navier-Stokes equations”, ArXiv 2014.