

# 学术报告

## Some research on transport type fluid models with noise

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**Venue:** 腾讯会议 ID:672 379 773, 会议密码: 123456

**Abstract:** In this presentation, I will talk about transport type PDEs, arising from fluid dynamics, with noise. The content will be presented includes:

1. Distribution-path dependent case. This work is joint with P. Ren and F.-Y. Wang, where a global existence result is established for distribution-path dependent singular SPDEs under “large” noise.
2. Only path-dependent but with transport noise. This work is joint with D. Alonso-Oran and C. Rohde. The approach here is motivated by the previous one, but we try to cover transport noise, which is also singular.
3. Only path-dependent case, where the noise effect on the data-to-solution map and the blow-up phenomena will be considered.

欢迎大家参加!