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Comments:arXiv admin note: this repeats some of the content of arXiv:1105.2856Subjects:Dynamical Systems (math.DS); Statistics Theory (math.ST)MSC classes:35Q35 35R60 60G22 37L55Cite as:arXiv:1107.2706 [math.DS]

Dynamics of stochastic non-Newtonian

with Hurst parameter \$H \in (1/4,1/2)\$

fluids driven by fractional Brownian motion

In this paper we consider the Stochastic isothermal, nonlinear, incompressible bipolar viscous fluids

of the stochastic convolution corresponding to the stochastic non-Newtonian fluids. Then we obtain

condition, the random dynamical system generated by non-Newtonian fluids has a random attractor.

the existence and uniqueness results for the stochastic non-Newtonian fluids. Under certain

driven by a genuine cylindrical fractional Bronwnian motion with Hurst parameter \$H \in (1/4,1/2)\$ under Dirichlet boundary condition on 2D square domain. First we prove the existence and regularity

(or arXiv:1107.2706v1 [math.DS] for this version)

Submission history

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Which authors of this paper are endorsers?

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