Cornell University Library

We gratefully acknowledge supp
the Simons Fo
and member ins

arXiv.org > math > arXiv:1204.3045

Search or Article-id

(Help | Advance

All papers

Mathematics > Analysis of PDEs

Theory for the Rotational Deconvolution model of Turbulence with Fractional regularization

Hani Ali

(Submitted on 13 Apr 2012)

We introduce a new regularization of the rotational Navier-Stokes equations that we call the Rotational Approximate Deconvolution Model (RADM). We generalize the deconvolution type model, studied by Berselli and Lewandowski [5], to the RADM model with fractional regularization where the convergence of the solution is studied with weaker conditions on the parameter regularization.

Comments:	13 Pages
Subjects:	**Analysis of PDEs (math.AP)**
MSC classes:	76D05, 35Q30, 76F65, 76D03
Cite as:	**arXiv:1204.3045** [math.AP]
	(or **arXiv:1204.3045v1** [math.AP] for this version)

Submission history

From: Hani Ali [view email]

[v1] Fri, 13 Apr 2012 16:46:11 GMT (20kb)

Which authors of this paper are endorsers?

References & Citatio

- NASA ADS

Bookmark(what is this?)