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Simplified non-Navier-Stokes model of turbulent flow and its first numerical realization in D2

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(Submitted on 27 Jul 2011)

This paper contains information about numerical realization of the model of turbulent flow proposed by Marek Burnat (see ARXIV: M.Burnat "On some mathematical model of turbulent flow with intensive selfmixing"). As an example the numerical experiment "Collision" is presented, and several pictures of the unit vector velocity field at various stages of this experiment are shown.

Submission history

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