

Global well-posedness for free boundary problem of the Oldroyd-B model fluid flow

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Abstract	In this paper, we prove the global well-posedness of non-Newtonian viscous fluid flow of the Oldroyd-B model with free surface in a bounded domain of N-dimensional Euclidean space \mathbb{R}^N ($N \geq 2$). The assumption of the problem is that the initial data are small enough and orthogonal to rigid motions. Copyright (C) 2015 John Wiley & Sons, Ltd.
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