A bibliography of free and moving boundary problems for Hele–Shaw and Stokes flow

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Contents

1 Introduction

This bibliography contains references to books, articles, conference proceedings and theses that deal wholly or partly with free surface flows in Hele–Shaw cells, or in Stokes flow of a viscous liquid. It also lists a selection of papers in areas of application of these problems, whether theoretical (e.g. quadrature domains) or practical. Some papers on closely related problems are also listed; however, we have not included many papers on the Stefan problem, not least because there are so many to choose from; see [18] in the 'books' section for a 2500-item Stefan bibliography to 1985.

The postscript and dvi files of the bibliography are available for downloading from

http://www.maths.ox.ac.uk/~howison/Hele-Shaw

The bibliography was prepared using LaTeX and BibTeX, and the relevant files, with instructions for use, can also be found at that address. We intend that the bibliography should be freely available for use. Although we can give no warranty as to its accuracy, we would be pleased to hear of any errors or omissions; they can be sent by mail or e-mail to howison@maths.ox.ac.uk , preferably using our templates which are also available from the same web address.

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2 Books

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6 Articles on Stokes Flow with Free Surfaces

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