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Book review

INTRODUCTION TO PRACTICAL FLUID FLOW
R. P. King. Elsevier Science, 2002. ISBN 0 750 64885 6, £30, 198 pp.

This is an interesting or unusual booklet, or monograph, which deals essentially with the behaviour of incompressible fluids carrying solid particles.

Although the mechanics of fluid flows in piping systems are introduced initially, most of the text is indeed devoted to the analysis of the behaviour of such fluids when carrying particles. Thus aspects of the pipeline transportation of slurries with Newtonian, non-Newtonian, and complex flows are developed and analysed in detail, together with the associated problems of settling and 'thickening'. Throughout the text the treatment is rigorous and sensible, with dimensionless aspects widely incorporated. In addition contemporary usage of computers is continuously borne in mind and a 'toolbox-computer disk' is even enclosed within the booklet in order to facilitate the development of later vital calculations.

Clearly this volume will be of particular interest to engineers, or others, concerned with the analysis and behaviour of the transportation of slurries in pipelines, and with associated problems.

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