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setting of three layers [2] and thus two interfaces, in a channel bounded by horizontal rigid walls, and also on the study of a model with the same setting but without the upper rigid lid [3] .

Mathematical modelling of waves in fluids

This booklet is primarily aimed at the mathematics teacher, but should also be of interest to teachers of science. It sets out a number of case studies suitable for mathematical modelling with calculus. The book starts with an explanation of the mathematical modelling process then suggests specific areas of study which include:

Mathematical Modelling with Calculus | STEM

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Case Studies and Films | Mathematical Institute

This text, which serves as a general introduction to the area of mathematical modelling, is aimed at advanced undergraduate students in mathematics or closely related disciplines, e.g., students who have some prerequisite knowledge such as one-variable calculus, linear algebra and ordinary differential equations.

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