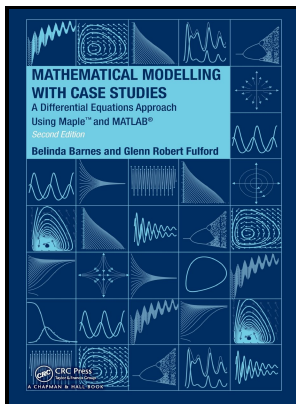


# Mathematical modelling - a source book of case studies

Oxford University Press - Mathematics



Description: -

- Composers -- United States -- Biography

Gershwin, George, -- 1898-1937

Mathematical modelsMathematical modelling - a source book of case studies

- Oxford science publicationsMathematical modelling - a source book of case studies

Notes: Includes bibliographical references.

This edition was published in 1990



Filesize: 11.98 MB

Tags: #MATHEMATICAL #MODELLING #WITH #CASE #STUDIES #A #DIFFERENTIAL #EQUATIONS #APPROACH #USING #MAPLE

## Mathematical Modelling: A case studies approach

In the pharmaceutical industry, pre-clinical and clinical are challenging, time-consuming, and costly. In this regard, the application of five MSW management technologies which are currently in use in İstanbul on six waste components is analyzed; and the optimal solution regarding the best mixture of these technologies is developed on a given waste composition. However, it will take longer for it to happen.

## Mathematical Modeling: Case Studies from Industry

The supporting mathematical, coding and biological background permit readers to explore a problem, understand assumptions, and the meaning of their results. Additionally, a sensitivity analysis is performed and a multi-objective problem that combines two problems is presented. The amount of tetracycline in the GI-tract levels out at just over 1 milligram after approximately 5 hours.

## Exploring Mathematical Modeling in Biology Through Case Studies and Experimental Activities

Cultural Relevance rating: 5 The examples are related to life sciences and all look inclusive to me. The book also shows how particular mathematical approaches are adapted to a variety of problems at multiple biological scales.

## Municipal solid waste management via mathematical modeling: A case study in İstanbul, Turkey

This corresponds to the rabbits completely dying out. First, life sciences students are motivated by and respond well to actual data related to real life sciences problems.

## Mathematical Modelling with Case Studies: Using Maple and MATLAB, Third Edition

Competing species with density dependence.

## Mathematical Modelling: A case studies approach

This volume should be valuable to both teachers and practitioners of mathematical modelling by providing a fresh and challenging range of problems to work on with students.

## **MATHEMATICAL MODELLING WITH CASE STUDIES A DIFFERENTIAL EQUATIONS APPROACH USING MAPLE**

B R Figure 16: Regions in the phase-plane illustrating the trajectory directions for Question 16.

### **Mathematical Modeling: Case Studies from Industry**

It uses flow diagrams and word equations to aid in the model-building process and to develop the mathematical equations. The dashed lines are the non-zero nullclines. The paper presents multiple case studies that test experimental medications using mathematical modelling.

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## Related Books

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