

Mathematical modeling / Mark M. Meerschaert

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Abstrak

The new edition of mathematical modeling, the survey text of choice for mathematical modeling courses, adds ample instructor support and online delivery for solutions manuals and software ancillaries. From genetic engineering to hurricane prediction, mathematical models guide much of the decision making in our society. If the assumptions and methods underlying the modeling are flawed, the outcome can be disastrously poor. With mathematical modeling growing rapidly in so many scientific and technical disciplines, mathematical modeling, fourth edition provides a rigorous treatment of the subject. The book explores a range of approaches including optimization models, dynamic models and probability models.