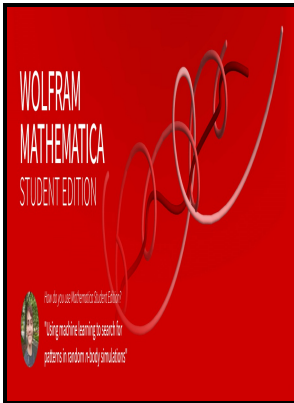


# Experiments in undergraduate mathematics - a Mathematica-based approach

Imperial College Press - What is DOE? Design of Experiments Basics for Beginners



Description: -

-  
Mathematics -- Computer-assisted instruction.  
Mathematica (Computer file)Experiments in undergraduate mathematics - a Mathematica-based approach  
-Experiments in undergraduate mathematics - a Mathematica-based approach  
Notes: System requirements for accompanying computer disk: IBM PC or Macintosh; DOS; Mathematica, version 2.0 or later; notebook interface.  
This edition was published in 1996



Filesize: 59.17 MB

Tags: #Experiments #in #Undergraduate #Mathematics

## Books by OTFers

I had a trigonometry professor who at least pushed understanding what you were doing. It should therefore also be of use to many secondary school and high school students. Baker et al are using this occasion to lay the short background of the methodology of facilitation and assessment of the depth of creativity.

## Approaches to Learning in Mathematics

This paper reports findings of a post test experimental control group design conducted to investigate the role of modified Moore learning approach on improving students' mathematical understanding and proving abilities.

## Mathematica materials for Chemistry

The instructor explains the material clearly. The risk is that we have perceived that as being the optimum without it really being the case.

## Mathematics education

Chapter 7 shows some famous extreme values problems in geometry.

## Mathematics Teaching

Each module contains about a half dozen experiments, indicated by a shaded background, which consist of a set of activities to be carried out at the computer. The approach is interactive, using experiments, performed in the symbolic algebra package Mathematica, to impart the fundamentals of many of the topics students encounter.

## Experiments in Undergraduate Mathematics: A Mathematica

The rigor is there but you do not need to work through the actual with a pencil and paper.

**REU Programs, Department of Mathematics, Texas A&M University**

Smith contributions , Werner Waterschoot contributions , Alan Young contributions , Westerweel editor Published by Brill 1997-12-19, Leiden 1997. The hypotheses range from geometry and topology statistics of plane curves and smooth functions to combinatorics combinatorial complexity and random permutations to algebra and number theory continuous fractions and Galois groups.

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## Related Books

- [Wen yan xu zi yong fa](#)
- [Daybreak \(DAYB\)](#)
- [Ukraïna chy Malorosïia - pamflety](#)
- [Norske dikt frá Edda til e dag - \[ein nynorsk antologi\]](#)
- [Lü you sheng di de min su yu chuan shuo - Jiang zhi bei](#)