



# Laboratories in Mathematical Experimentation: A Bridge to Higher Mathematics (Textbooks in Mathematical Sciences)

*George Cobb, Giuliana Davidoff, Alan Durfee, Janice Gifford, DONAL OSHEA, Mark Peterson, Harriet Pollatsek, Margaret Robinson, Lester Senechal, Robert Weaver, J.W. Bruce*

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The text is composed of a set of sixteen laboratory investigations which allow the student to explore rich and diverse ideas and concepts in mathematics. The approach is hands-on, experimental, an approach that is very much in the spirit of modern pedagogy. The course is typically offered in one semester, at the sophomore (second year) level of college. It requires completion of one year of calculus. The course provides a transition to the study of higher, abstract mathematics. The text is written independent of any software. Supplements will be available on the projects' web site.

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