

student gets through his calculus without being able to apply it to numerical problems, especially when they occur in a course not designated as mathematics. This should not be so, and is undoubtedly the reason why mathematics in our technical schools is in such disfavor with the students. This situation is most probably due partly to the mathematics teachers, partly to the engineering teachers and partly to the textbooks. Wherever the fault lies, any textbook written for engineering students should bridge this gap or wholly close it. If there is any essential difference between the calculus for the engineer and the calculus for the pure mathematician, then our textbooks for engineers should be written as such and should not be attempts to compile books that can be sold to both classes of students. The teacher of mathematics in an engineering school who is seeking to present the calculus to his students in a way that will make it appeal to them as being a subject they need instead of one they must take will find this book a help in that direction.

The first two chapters, especially the second on "Limits and continuous functions," are an attempt to get the student familiar with subjects that often remain hazy until the end of his course in calculus. They present the matter in a very clear way by means of many examples with full explanations. The remaining chapters are treated in much the same way. The book is so arranged that a shorter course can be had by omitting certain chapters without destroying the continuity of presentation. The book contains more material than most of our engineering schools could cover in the time now allotted to mathematics. The author seems to have had liberty from his publishers to give as much space as he desired to illustrative problems and lists of exercises. This is a very good feature of the book. On the whole the book should prove very teachable.

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