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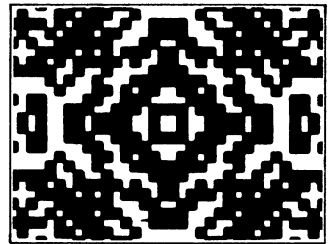
by C.T. Fike, Staff Member, IBM Systems Research Institute, covers the mathematical methods used to code computer programs for evaluating such mathematical functions as  $\sin x$  and  $\log x$ . Written for the junior-senior undergraduate student in mathematics or engineering, or for the numerical analyst and computer programmer, this book brings together all the material essential to developing a computer function evaluating program. It features such unusual topics as Chebyshev series, continued fractions, asymptotic series, and evaluation of polynomials. The author uses many examples and explanations to clarify this highly specialized material, previously available only in scientific journals. Problems at the end of each chapter require application of techniques discussed in that chapter; some require the use of a computer for solution. Most exercises are self-checking in some way so that solutions are not essential. October 1968, approx. 256 pp., \$10.50

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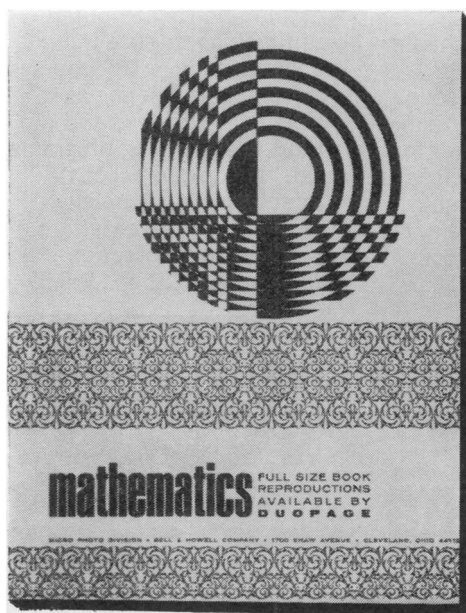
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