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this thoroughly revised edition of the book completely covers the syllabi in the calculus of finite differences of various indian universities examples given at the end of each chapter have been specially constructed taken from university papers and standard book

the present treatise is intended to cover the syllabi of different indian universities in statistics hons and mathematics hons courses even the students of engineering may also be befitted by the book

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this book considers some of the most fundamental ideas of mathematical and in particular numerical computing these in turn form the basis of most of the techniques of scientific computing which are widely used in almost every branch of scientific work and in business and economic applications

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this new book updates the exceptionally popular numerical analysis of ordinary differential equations this book is an indispensable reference for any researcher american mathematical society on the first edition features new exercises included in each chapter author is widely regarded as the world expert on runge kutta methods didactic aspects of the book have been enhanced by interspersing the text with exercises updated bibliography

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