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MATLAB ANALYSIS OF TRUSS STRUCTURES (WITH CD-ROM)



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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 384 Publisher: Science Pub. Date :2008-11-01 version 1. This book presents analysis of truss structures and Matlab program implementation. The book is divided into five chapters. including the internal forces and displacements of statically indeterminate structure calculation procedures. flat frame matrix displacement method and static analysis process. Sequence. static plane frame analysis program improvements. space frame and the frame static analysis and dynamic characteristics of the program design. Book is comprehensive and detailed. involving a plane frame and space frame of the static analysis and dynamic analysis. The chapters are equipped with a large number of examples. exercises and hands-on programming topics. and book with CD-ROM with the book all involved Matlab source code and examples. This book can serve as institutions of higher learning civil engineering. engineering mechanics and other related undergraduate and postgraduate studies structural analysis program design course materials (structural analysis of part of the truss). but also as a learning Matlab program design and application of materials. Before using this book should have structural mechanics and the basics of Matlab language. Contents: Preface Chapter statically indeterminate structure internal force and displacement calculation procedures outlined in Section II the value of a statically indeterminate structure. cell division and cell and node number two. the structure coordinate system with unit coordinates three loads and internal forces relevant provisions of the Fourth. the array element length and bit set and the third quarter to calculate the internal forces of statically determinate frame progressive calculation of a. the calculation method two. three constraint forces. internal forces unit rod end of the fourth quarter of statically indeterminate frame simultaneous calculation of internal forces First. the calculation method two....



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