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Vibration Problems In Engineering (Hardback)

By S. Timoshenko

Read Books, United Kingdom, 2008. Hardback. Book Condition: New. 218 x 147 mm. Language: English . Brand New Book ***** Print on Demand *****.VIBRATION PROBLEMS IN ENGINEERING by S. TIMOSHENKO Professor of Theoretical and Engineering Mechanics Stanford University. Second edition published in may 1937. PREFACE TO THE SECOND EDITION: In the preparation of the manuscript for the second edition of the book, the authors desire was not only to bring the book up to date by including some new material but also to make it more suitable for teaching purposes. With this in view, the first part of the book was entirely re written and considerably enlarged. A number of examples and problems with solutions or with answers were included, and in many places new material was added. The principal additions are as follows In the first chapter a discussion of forced vibration with damping not proportional to velocity is included, and an article on self-excited vibration. In the chapter on non-linear systems an article on the method of successive approximations is added and it is shown how the method can be used in discussing free and forced vibrations of systems with non-linear characteristics. The third chapter is made...



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