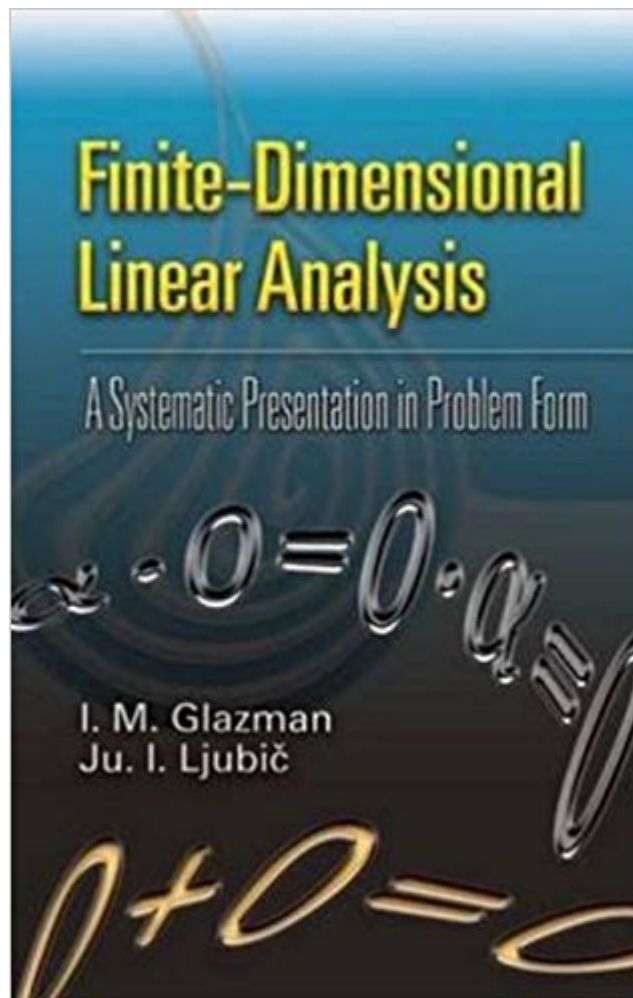The book was found

Finite-Dimensional Linear Analysis: A Systematic Presentation In Problem Form (Dover Books On Mathematics)

Synopsis

This remarkable book develops the subject of linear algebra in a novel fashion. A logically interconnected sequence of propositions and problems—some 2,400 in all—appears without proofs. Assisted only by hints and pointers, students must work out formal proofs systematically, proceeding from simple verifications to relatively advanced strategies and techniques of proof.This volume also presents insights into functional analysis, which may be formulated as linear analysis without an infinite dimensional framework. As students allow their consideration of the propositions to move toward the limiting case of unrestricted dimensionality, they will find that their conceptual outlook approaches that which is suitable to functional analysis. In this regard, the book represents an introduction to the latter subject, free of the difficulties inherent in the explicit admission of infinities.Based on the proposition that the best way to learn mathematics is to do mathematics, this approach will appeal to strongly motivated students. It can also be used as a resource for independent study and in cooperative seminars, as well as in conventional advanced undergraduate and graduate courses.

Book Information

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Customer Reviews

Text: English, Russian (translation) --This text refers to an out of print or unavailable edition of this title.

A great book - I used it when I was in school and I recommend it now to the students in my operator algebra grad course.All for an amazing $1!The book is not easy, half way to professional level.It should follow a very solid linear algebra book such as the ones by Gelfand, Shilov or Halmos.It's for grad students or really advanced undergrads. All in problems, to be solved one after another.On the way to working in quantum mechanics or in operator algebras, professionally.

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