



Functional Analysis Lecture

By SUN YONG SHENG

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 228 Publisher: Beijing Normal University Press Pub. Date :2007-12-1. The second edition is adapted from the first edition of the chapters. The first chapter introduces the basic concepts of space, distance, and describes the contraction mapping principle and its application of the theory for differential equations. The second chapter describes the linear normed space and the basic concepts of linear normed linear operator on the space, including the basic concepts of linear functionals. The third chapter describes the concept of inner product space, focusing on the infinite-dimensional space, describes the inner product space is not separable orthonormal basis of the concept. The fourth chapter describes the linear operators and linear functionals of the basic theory, including baire Gang reasoning method, open mapping theorem, the inverse operator theorem, closed image theorem, uniform boundedness principle (resonance theorem), and hahn-banach of Paul Van continuous linear functional extension theorem. Chapter V describes conjugate spaces and adjoint operator, detailing the uniformly continuous function space conjugate space, p sub-integrable function space conjugate space. About the weak convergence and weak star convergence concept...



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