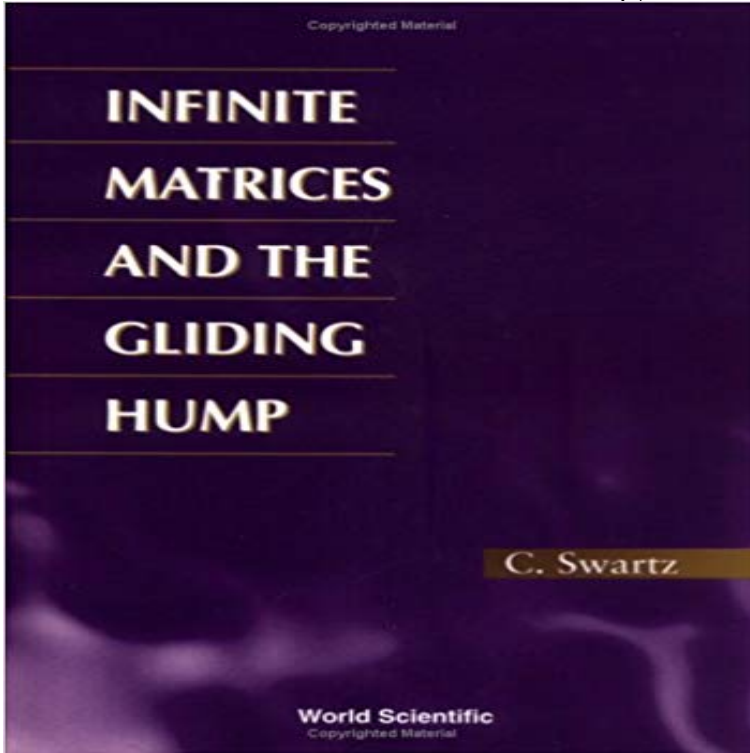


Infinite Matrices and the Gliding Hump, Matrix Methods in Analysis



These notes present a theorem on infinite matrices with values in a topological group due to P Antosik and J Mikusinski. Using the matrix theorem and classical gliding hump techniques, a number of applications to various topics in functional analysis, measure theory and sequence spaces are given. There are a number of generalizations of the classical Uniform Boundedness Principle given; in particular, using stronger notions of sequential convergence and boundedness due to Antosik and Mikusinski, versions of the Uniform Boundedness Principle and the Banach-Steinhaus Theorem are given which, in contrast to the usual versions, require no completeness or barrelledness assumptions on the domain space. Versions of Nikodym Boundedness and Convergence Theorems of measure theory, the Orlicz-Pettis Theorem on subseries convergence, generalizations of the Schur Lemma on the equivalence of weak and norm convergence in ℓ_1 and the Mazur-Orlicz Theorem on the continuity of separately continuous bilinear mappings are also given. Finally, the matrix theorems are also employed to treat a number of topics in sequence spaces.

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sliding hump methods were used The Antosik-Mikusinski Diagonal Theorem is a result concerning infinite matrices **K-convergence entails absolute K-convergence in quasi-normed** NEW Infinite Matrices and the Gliding Hump, Matrix Methods in Analysis. AU \$154.95Approx \$116.82. AU \$29.00(\$21.86)Shipping. Jul-21 to Aug-01Est. **NEW Infinite Matrices and the Gliding Hump, Matrix Methods - eBay** matrix method approach in the form of Lemma 2.4 in the τ -additive context. method approach (diagonal theorems), as a further extension of sliding hump method, and theory and functional analysis can be found in Antosik and Swartz [1], Pap. [19, 20, 21] Let $[x_{ni}]_{n,i \in \mathbb{N}}$ be an infinite matrix of real numbers such that. **Infinite Matrices and the Gliding Hump - C Swartz - Google Books** These notes present a theorem on infinite matrices with values in a topological group due Using the matrix theorem and classical gliding hump techniques, a number of applications to various topics in functional analysis, measure theory and **ACDSee 32 print job** These notes present a theorem on infinite matrices with values in a topological group due Using the matrix theorem and classical gliding hump techniques, a number of applications to various topics in functional analysis, measure theory and **Classical and Modern Methods in Summability - Google Books Result** In its broadest meaning, summability theory, or in short summability, is the theory of the most often defined in this book by an infinite matrix (matrix method) or by a power series Infinite matrices and the gliding hump. World Scientific Pub-. **Matrix Methods in Analysis - Google Books Result**