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Autore	Milman Vitali D. <1939->
Titolo	Asymptotic theory of finite dimensional normed spaces // Vitali D. Milman, Gideon Schechtman ; with an appendix by M. Gromov
Pubbl/distr/stampa	Berlin : , : Springer, , [2001] ©2001
ISBN	3-540-38822-2
Edizione	[Second edition.]
Descrizione fisica	1 online resource (XII, 160 p.)
Collana	Lecture notes in mathematics (Springer-Verlag) ; ; 1200
Classificazione	46B20 52A20 60F10
Disciplina	515.732
Soggetti	Normed linear spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Concentration of Measure Phenomenon in the Theory of Normed Spaces -- Preliminaries -- The Isoperimetric Inequality on $S_n^{p,1}$ and Some Consequences -- Finite Dimensional Normed Spaces, Preliminaries -- Almost Euclidean Subspaces of A Normed Space -- Almost Euclidean Subspaces of ℓ_p^n Spaces, of General n-Dimensional Normed Spaces, and of Quotient of n-Dimensional Spaces -- Levy Families -- Martingales -- Embedding ℓ_p^m into ℓ_1^n -- Type and Cotype of Normed Spaces, and Some Simple Relations with Geometrical Properties -- Additional Applications of Levy Families in the Theory of Finite Dimensional Normed Spaces -- Type and Cotype of Normed Spaces -- Ramsey's Theorem with Some Applications to Normed Spaces -- Krivine's Theorem -- The Maurey-Pisier Theorem -- The Rademacher Projection -- Projections on Random Euclidean Subspaces of Finite Dimensional Normed Spaces.
Sommario/riassunto	This book deals with the geometrical structure of finite dimensional normed spaces, as the dimension grows to infinity. This is a part of what came to be known as the Local Theory of Banach Spaces (this name was derived from the fact that in its first stages, this theory dealt mainly with relating the structure of infinite dimensional Banach spaces to the structure of their lattice of finite dimensional subspaces). Our

purpose in this book is to introduce the reader to some of the results, problems, and mainly methods developed in the Local Theory, in the last few years. This by no means is a complete survey of this wide area. Some of the main topics we do not discuss here are mentioned in the Notes and Remarks section. Several books appeared recently or are going to appear shortly, which cover much of the material not covered in this book. Among these are Pisier's [Pis6] where factorization theorems related to Grothendieck's theorem are extensively discussed, and Tomczak-Jaegermann's [T-JI] where operator ideals and distances between finite dimensional normed spaces are studied in detail. Another related book is Pietch's [Pie].

2. Record Nr.	UNINA9910793860703321
Autore	Chrysostomou Dimitrios
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Descrizione fisica	1 online resource (101 pages)
Collana	Industrial Robot : the International Journal of Robotics Research and Application ; ; Volume 46, Number 4
Disciplina	629.8924019
Soggetti	Human-robot interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.