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Titolo	Sparse Approximation with Bases // by Vladimir Temlyakov ; edited by Sergey Tikhonov
Pubbl/distr/stampa	Basel : , : Springer Basel : , : Imprint : Birkhäuser, , 2015
ISBN	3-0348-0890-9
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XI, 261 p.)
Collana	Advanced Courses in Mathematics - CRM Barcelona, , 2297-0304
Disciplina	510 511.4
Soggetti	Approximation theory Functional analysis Algorithms Approximations and Expansions Functional Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Introduction -- Lebesgue-type inequalities for greedy approximation with respect to some classical bases -- Quasi-greedy bases and Lebesgue-type inequalities -- Almost greedy bases and duality -- Greedy approximation with respect to the trigonometric system -- Greedy approximation with respect to dictionaries -- Appendix.
Sommario/riassunto	This book systematically presents recent fundamental results on greedy approximation with respect to bases. Motivated by numerous applications, the last decade has seen great successes in studying nonlinear sparse approximation. Recent findings have established that greedy-type algorithms are suitable methods of nonlinear approximation in both sparse approximation with respect to bases and sparse approximation with respect to redundant systems. These insights, combined with some previous fundamental results, form the basis for constructing the theory of greedy approximation. Taking into account the theoretical and practical demand for this kind of theory, the book systematically elaborates a theoretical framework for greedy approximation and its applications. The book addresses the needs of researchers working in numerical mathematics, harmonic analysis, and

functional analysis. It quickly takes the reader from classical results to the latest frontier, but is written at the level of a graduate course and does not require a broad background in the field.

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2. Record Nr.	UNINA9910141142303321
Titolo	2010 IEEE International 3D Systems Integration Conference
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