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	Titolo	Vector Optimization and Monotone Operators via Convex Duality : Recent Advances / / by Sorin-Mihai Grad
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	ISBN	3-319-08900-5
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (282 p.)
	Collana	Vector Optimization, , 1867-8971
	Disciplina	330 519.6 658.40301
	Soggetti	Operations research Decision making Mathematical optimization Operations Research/Decision Theory Optimization Continuous Optimization
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Introduction and preliminaries -- Duality for scalar optimization problems -- Minimality concepts for sets -- Vector duality via scalarization for vector optimization problems -- General Wolfe and Mond-Weir duality -- Vector duality for linear and semidefinite vector optimization problems -- Monotone operators approached via convex Analysis.
	Sommario/riassunto	This book investigates several duality approaches for vector optimization problems, while also comparing them. Special attention is paid to duality for linear vector optimization problems, for which a vector dual that avoids the shortcomings of the classical ones is proposed. Moreover, the book addresses different efficiency concepts for vector optimization problems. Among the problems that appear when the framework is generalized by considering set-valued functions, an increasing interest is generated by those involving monotone operators, especially now that new methods for approaching

them by means of convex analysis have been developed. Following this path, the book provides several results on different properties of sums of monotone operators.