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	Titolo	Recent Advances in Constructive Approximation Theory [[electronic resource] /] / by Vijay Gupta, Themistocles M. Rassias, P. N. Agrawal, Ana Maria Acu
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	Descrizione fisica	1 online resource (295 pages)
	Collana	Springer Optimization and Its Applications, , 1931-6828 ; ; 138
	Disciplina	511.4
	Soggetti	Operator theory
		Functions of complex variables
		Differential equations
		Partial differential equations
		Functional analysis
		Operator Theory
		Functions of a Complex Variable
		Several Complex Variables and Analytic Spaces
		Ordinary Differential Equations
		Partial Differential Equations
		Functional Analysis
	Lingua di pubblicazione	Inglese
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	Nota di contenuto	1. Moment Generating Functions and Central Moments -- 2. Quantitative Estimates -- 3.Basics of Post-Quantum Calculus -- 4. Integral Operators -- 5. Univariate Grüss and Ostrowski type inequalities for positive linear operators -- 6. Bivariate Grüss-type inequalities for positive linear operators -- 7. Estimates for the differences of positive linear operators -- 8. Bivariate operators of discrete and integral type -- 9. Convergence of GBS Operators.
	Sommario/riassunto	This book presents an in-depth study on advances in constructive approximation theory with recent problems on linear positive operators. State-of-the-art research in constructive approximation is

treated with extensions to approximation results on linear positive operators in a post quantum and bivariate setting. Methods, techniques, and problems in approximation theory are demonstrated with applications to optimization, physics, and biology. Graduate students, research scientists and engineers working in mathematics, physics, and industry will broaden their understanding of operators essential to pure and applied mathematics. Topics discussed include: discrete operators, quantitative estimates, post-quantum calculus, integral operators, univariate Gruss-type inequalities for positive linear operators, bivariate operators of discrete and integral type convergence of GBS operators.