



Operator Inequalities of the Jensen, Cebysev and Gruss Type (Paperback)

By Silvestru Sever Dragomir

Springer-Verlag New York Inc., United States, 2011. Paperback. Condition: New. 2012 ed.. Language: English . Brand New Book. The main aim of this book is to present recent results concerning inequalities of the Jensen, Cebysev and Gruss type for continuous functions of bounded selfadjoint operators on complex Hilbert spaces. In the introductory chapter, the author portrays fundamental facts concerning bounded selfadjoint operators on complex Hilbert spaces. The generalized Schwarz inequality for positive selfadjoint operators as well as some results for the spectrum of this class of operators are presented. This text introduces the reader to the fundamental results for polynomials in a linear operator, continuous functions of selfadjoint operators as well as the step functions of selfadjoint operators. The spectral decomposition for this class of operators, which play a central role in the rest of the book and its consequences are introduced. At the end of the chapter, some classical operator inequalities are presented as well. Recent new results that deal with different aspects of the famous Jensen operator inequality are explored through the second chapter. These include but are not limited to the operator version of the Dragomir-Ionescu inequality, the Slater type inequalities for operators and its inverses, Jensen...



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Reviews

It is just one of the best publication. This can be for anyone who state that there was not a well worth reading through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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Very beneficial to any or all class of individuals. It is rally interesting through looking at time. You will not feel monotony at at any time of your time (that's what catalogs are for concerning in the event you question me).

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