

1. Record Nr.	UNINA9910254191003321
Autore	Anastassiou George A
Titolo	Intelligent Comparisons: Analytic Inequalities // by George A. Anastassiou
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-21121-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XV, 662 p.)
Collana	Studies in Computational Intelligence, , 1860-949X ; ; 609
Disciplina	512.97
Soggetti	Computational intelligence Artificial intelligence Mathematical analysis Analysis (Mathematics) Computational Intelligence Artificial Intelligence Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Fractional Polya Integral Inequality -- Univariate Fractional Polya Integral Inequalities -- About Multivariate General Fractional Polya Integral Inequalities -- Balanced Canavati Fractional Opial Inequalities -- Fractional Representation Formulae and Fractional Ostrowski Inequalities -- Basic Fractional Integral Inequalities -- Harmonic Multivariate Ostrowski and Grüss Inequalities -- Fractional Ostrowski and Grüss Inequalities Using Several Functions -- Further Interpretation of Some Fractional Ostrowski and Grüss Type Inequalities -- Multivariate Fractional Representation Formula and Ostrowski Inequality -- Fractional Representation Formulae and Ostrowski Inequalities -- About Multivariate Lyapunov Inequalities -- Ostrowski Type Inequalities for Semigroups -- About Ostrowski Inequalities for Cosine and Sine Operator Functions -- About Hilbert-Pachpatte Inequalities -- About Ostrowski and Landau Type Inequalities -- Multidimensional Ostrowski Type Inequalities -- About Fractional Representation Formulae and Right Fractional Inequalities -- About Canavati fractional Ostrowski

inequalities -- The Most General Fractional Representation Formula --
Rational Inequalities for Integral Operators Using Convexity --
Fractional Integral Inequalities with Convexity -- Vectorial Inequalities
for Integral Operators -- Vectorial Splitting Rational L_p Inequalities for
Integral Operators -- Separating Rational L_p Inequalities for Integral
Operators -- About Vectorial Hardy Type Fractional Inequalities --
About Vectorial Fractional Integral Inequalities Using Convexity.

Sommario/riassunto

This monograph presents recent and original work of the author on inequalities in real, functional and fractional analysis. The chapters are self-contained and can be read independently, they include an extensive list of references per chapter. The book's results are expected to find applications in many areas of applied and pure mathematics, especially in ordinary and partial differential equations and fractional differential equations. As such this monograph is suitable for researchers, graduate students, and seminars of the above subjects, as well as Science and Engineering University libraries. .
