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Using Euler Type and Fink Identities; 26. Gruss Type Multivariate Integral Inequalities; 27. Chebyshev-Gruss Type Inequalities on Spherical Shells and Balls; 28. Multivariate Chebyshev-Gruss and Comparison of Integral Means Inequalities; 29. Multivariate Fink Type Identity Applied to Multivariate Inequalities; Bibliography; List of Symbols; Index

Sommario/riassunto

This monograph presents univariate and multivariate classical analyses of advanced inequalities. This treatise is a culmination of the author's last thirteen years of research work. The chapters are self-contained and several advanced courses can be taught out of this book. Extensive background and motivations are given in each chapter with a comprehensive list of references given at the end. The topics covered are wide-ranging and diverse. Recent advances on Ostrowski type inequalities, Opial type inequalities, Poincare and Sobolev type inequalities, and Hardy-Opial type inequalities are exam
