

1. Record Nr.	UNINA9910254302903321
Autore	Krantz Steven G
Titolo	Harmonic and Complex Analysis in Several Variables // by Steven G. Krantz
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-63231-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 424 p. 83 illus., 66 illus. in color.)
Collana	Springer Monographs in Mathematics, , 1439-7382
Disciplina	515.785
Soggetti	Harmonic analysis Functions of complex variables Abstract Harmonic Analysis Functions of a Complex Variable
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- 1. Introduction and Review -- 2. Boundary Behavior -- 3. The Heisenberg Group -- 4. Analysis on the Heisenberg Group -- 5. Reproducing Kernels -- 6. More on the Kernels -- 7. The Bergman Metric -- 8. Geometric and Analytic Ideas -- 9. Additional Analytic Topics -- 10. Cauchy-Riemann Equations Solution -- 11. A Few Miscellaneous Topics -- Bibliography -- Index.
Sommario/riassunto	Authored by a ranking authority in harmonic analysis of several complex variables, this book embodies a state-of-the-art entrée at the intersection of two important fields of research: complex analysis and harmonic analysis. Written with the graduate student in mind, it is assumed that the reader has familiarity with the basics of complex analysis of one and several complex variables as well as with real and functional analysis. The monograph is largely self-contained and develops the harmonic analysis of several complex variables from the first principles. The text includes copious examples, explanations, an exhaustive bibliography for further reading, and figures that illustrate the geometric nature of the subject. Each chapter ends with an exercise set. Additionally, each chapter begins with a prologue, introducing the reader to the subject matter that follows; capsules presented in each section give perspective and a spirited launch to the segment; preludes

help put ideas into context. Mathematicians and researchers in several applied disciplines will find the breadth and depth of the treatment of the subject highly useful.
