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   Soggetti   System theory
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                       Complex Systems
                       Several Complex Variables and Analytic Spaces
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   Nota di bibliografia   Includes bibliographical references at the end of each chapters.

   Nota di contenuto   Chapter 1. Boundary Behavior of Univalent Harmonic Mappings: A Survey of Recent Boundary Behavior Results of Univalent Harmonic Mappings -- Chapter 2. Harmonic Univalent Mappings and Minimal Graphs -- Chapter 3. Minimal Surfaces over the Slanted Half Planes, Vertical Strips and Single Slit -- Chapter 4. A Survey on Special Classes of Bazilevic Functions and Related Function Classes -- Chapter 5. Uniqueness of Entire Functions Sharing Certain Values with Derivatives -- Chapter 6. Differential Superordinations and Sandwich-Type Results -- Chapter 7. Starlikeness and Convexity of Certain Integral Transforms by using Duality Technique -- Chapter 8. Enestrom–Kakeya Theorem and Some of Its Generalizations -- Chapter 9. Starlikeness, Convexity and Close-to-Convexity of Harmonic Mappings -- Chapter 10. On Generalized p-Valent Non-Bazilevic Type Functions -- Chapter 11. Integral Mean Estimates for a Polynomial with Restricted Zeros -- Chapter 12. Uniqueness Results for Meromorphic Functions Concerning Small Functions -- Chapter 13. Maxima Polynomial Ranges for a

Domain of Intersection of Two Circular Disks.

Sommario/riassunto

The book contains 13 articles, some of which are survey articles and others research papers. Written by eminent mathematicians, these articles were presented at the International Workshop on Complex Analysis and Its Applications held at Walchand College of Engineering, Sangli. All the contributing authors are actively engaged in research fields related to the topic of the book. The workshop offered a comprehensive exposition of the recent developments in geometric functions theory, planar harmonic mappings, entire and meromorphic functions and their applications, both theoretical and computational. The recent developments in complex analysis and its applications play a crucial role in research in many disciplines.