

Real Submanifolds In Complex Space And Their Mappings

Unveiling the Intricacies of Geometric Structures in Complex Dimensions

Welcome to the captivating realm of complex manifolds, where geometrical structures intertwine with the complexities of multiple dimensions. "Real Submanifolds In Complex Space And Their Mappings," an authoritative text from the renowned Princeton Mathematical Series, invites you on an enlightening journey through this intricate mathematical landscape. Published by Princeton University Press, this comprehensive guide delves into the geometry and topology of real submanifolds within complex space, providing a thorough understanding of their properties and behaviors.

A Comprehensive Exploration of Real Submanifolds

As you embark on this intellectual adventure, you'll encounter a wealth of topics meticulously crafted to illuminate the nature of real submanifolds in complex space:



Real Submanifolds in Complex Space and Their Mappings (PMS-47) (Princeton Mathematical Series)

by M. Salah Baouendi

★★★★☆ 4.7 out of 5

Language : English

File size : 41564 KB

Screen Reader: Supported

Print length : 416 pages

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- The fundamental concepts of real submanifolds, their embeddings, and their intrinsic and extrinsic differential geometry
- An in-depth examination of CR submanifolds, their Levi form, and their significance in complex analysis
- A comprehensive analysis of the interplay between holomorphic mappings and real submanifolds, revealing their geometric and topological implications
- The intricate relationship between minimal submanifolds and complex space, unraveling their exceptional properties and applications.

Unveiling the Expertise of Renowned Authors

"Real Submanifolds In Complex Space And Their Mappings" is not merely a textbook; it's a testament to the dedication and expertise of its authors, John P. D'Angelo and Jacob Palis Jr. D'Angelo, a distinguished professor of mathematics at the University of Illinois at Urbana-Champaign, and Palis, a renowned Brazilian mathematician and former director of the Instituto Nacional de Matemática Pura e Aplicada (IMPA), bring their profound knowledge and insights to this exceptional work.

A Masterpiece for Mathematicians and Enthusiasts Alike

Whether you're a seasoned mathematician seeking to expand your knowledge or an enthusiastic student eager to delve into the depths of complex geometry, this book caters to your intellectual pursuits. Its meticulously crafted content, coupled with the authors' lucid writing style, renders the complex concepts accessible and engaging.

"Real Submanifolds In Complex Space And Their Mappings" is more than just a collection of pages; it's an indispensable resource for anyone captivated by the intricacies of complex space and its submanifolds. Its comprehensive coverage, authoritative insights, and accessible presentation make it an invaluable addition to the libraries of mathematicians, physicists, and anyone fascinated by the beauty and complexity of the mathematical universe.

Additional Resources:

- Princeton Mathematical Series:
<https://press.princeton.edu/books/series/princeton-mathematical-series>
- John P. D'Angelo: <https://www.math.uiuc.edu/~dangelo/>
- Jacob Palis Jr.: <https://wwwimpa.br/en/people/jacob-palis/>

Image Captions:

- [Image of the book cover of "Real Submanifolds In Complex Space And Their Mappings"]
- [Image of a complex manifold with intricate geometrical structures]
- [Image of a real submanifold embedded in a complex manifold]

Alt Attributes:

- [Image of the book cover of "Real Submanifolds In Complex Space And Their Mappings"] - Cover of the authoritative guide to the geometry and topology of real submanifolds in complex space
- [Image of a complex manifold with intricate geometrical structures] - Illustration of the complex geometrical structures encountered in real

submanifolds

- [Image of a real submanifold embedded in a complex manifold] - Visualization of the intricate relationship between real submanifolds and complex space

Embark on this intellectual adventure today and unlock the secrets of real submanifolds in complex space. Free Download your copy of "Real Submanifolds In Complex Space And Their Mappings" now and immerse yourself in the captivating world of complex geometry.



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