

Bookmark File PDF Bicomplex Holomorphic
Functions The Algebra Geometry And Analysis Of
Bicomplex Numbers Frontiers In Mathematics

Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

[Bicomplex Holomorphic Functions - The Algebra, Geometry ...](#)
[Bicomplex number - Wikipedia Holomorphic Functions: The](#)
[Algebra, Self-Inversive Bicomplex Polynomials Frontiers in](#)
[Mathematics: Bicomplex Holomorphic Functions ... Bicomplex](#)
[Holomorphic Functions: The Algebra, Geometry and ...](#)
[Bicomplex Holomorphic Functions The Algebra Bicomplex](#)
[Holomorphic Functions The Algebra, Geometry and ... Bicomplex](#)
[Holomorphic Functions: The Algebra, Geometry and ...](#)
[\[math/0101200\] Bicomplex algebra and function theory](#)

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

[Bicomplex Numbers and their Elementary Functions Bicomplex Holomorphic Functions | Springer for Research ... Bicomplex holomorphic functions : the algebra, geometry ... Normal Families of Bicomplex Holomorphic Functions Bicomplex Holomorphic Functions | Request PDF Bicomplex Holomorphic Functions: The Algebra, Geometry and ... Holomorphic function - Wikipedia Bicomplex algebra and function theory - ResearchGate](#)

Bicomplex Holomorphic Functions - The Algebra, Geometry ...
In recent years, due largely to the work of G.B. Price, there has been a resurgence of interest in the study of these numbers and, more importantly, in the study of functions defined on the ring of bicomplex numbers, which mimic the behavior of holomorphic functions of a complex variable.

Bicomplex number - Wikipedia

This treatise investigates holomorphic functions defined on the

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

space of bicomplex numbers introduced by Segre. The theory of these functions is associated with Fueter's theory of regular,...

Holomorphic Functions: The Algebra,

While the algebra of bicomplex numbers is a four-dimensional real algebra, it is useful to think of it as a complexification of the field of complex numbers; from this perspective, the bicomplex algebra possesses the properties of a one-dimensional theory inside four real dimensions.

Self-Inversive Bicomplex Polynomials

this article we have considered the families of bicomplex holomorphic functions on bicomplex domains. Since this article lays the foundations of the subject Normal Families of Bicomplex Holomorphic Functions for future investigations in various possible directions, it is necessary to adopt a dual approach towards the study of normality of families of bicomplex

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

holomorphic functions on bicomplex domains.

Frontiers in Mathematics: Bicomplex Holomorphic Functions ...
Bicomplex holomorphic functions : the algebra, geometry and analysis of bicomplex numbers. [Maria Elena Luna-Elizarrarás; Michael V Shapiro; Daniele Carlo Struppa; Adrian Vajiac] -- The purpose of this book is to develop the foundations of the theory of holomorphicity on the ring of bicomplex numbers.

Bicomplex Holomorphic Functions: The Algebra, Geometry and ...
Bicomplex Holomorphic Functions: The Algebra, Geometry and Analysis of Bicomplex Numbers M. Elena Luna-Elizarrarás , Michael Shapiro , Daniele C. Struppa , Adrian Vajiac (auth.) The purpose of this book is to develop the foundations of the theory of holomorphicity on the ring of bicomplex numbers.

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

Bicomplex Holomorphic Functions The Algebra
Bicomplex Holomorphic Functions: The Algebra, Geometry and Analysis of Bicomplex Numbers (Frontiers in Mathematics) - Kindle edition by M. Elena Luna-Elizarrarás, Michael Shapiro, Daniele C. Struppa, Adrian Vajiac, Michael Shapiro, Daniele C. Struppa, Adrian Vajiac. Download it once and read it on your Kindle device, PC, phones or tablets. Use features like bookmarks, note taking and ...

Bicomplex Holomorphic Functions The Algebra, Geometry and ...
The elementary bicomplex functions are defined and their properties studied. The derivative of a bicomplex function is defined as the limit of a fraction with nonsingular denominator. The existence of the derivative amounts to the validity of the complexified Cauchy-Riemann equations, which characterize the holomorphic bicomplex functions.

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

Bicomplex Holomorphic Functions: The Algebra, Geometry and ...
While the algebra of bicomplex numbers is a four-dimensional real algebra, it is useful to think of it as a “complexification” of the field of complex numbers; from this perspective, the bicomplex algebra possesses the properties of a one-dimensional theory inside four real dimensions.

[math/0101200] Bicomplex algebra and function theory
The algebra which one obtains is the bicomplex algebra. In this paper we show how to introduce elementary functions, such as polynomials, exponentials, trigonometric functions, in this algebra, as well as their inverses (something that, incidentally, is not possible in the case of quaternions).

Bicomplex Numbers and their Elementary Functions

C^2 be a bicomplex function. There is a definition for the derivative of a bicomplex function which looks quite similar to its

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

complex counterpart [6, Definition 1, page 4].

Bicomplex Holomorphic Functions | Springer for Research ...
While the algebra of bicomplex numbers is a four-dimensional real algebra, it is useful to think of it as a "complexification" of the field of complex numbers; from this perspective, the bicomplex algebra possesses the properties of a one-dimensional theory inside four real dimensions.

Bicomplex holomorphic functions : the algebra, geometry ...
The bicomplex numbers form a commutative algebra over \mathbb{C} of dimension two, which is isomorphic to the direct sum of algebras $\mathbb{C} \oplus \mathbb{C}$. The product of two bicomplex numbers yields a quadratic form value that is the product of the individual quadratic forms of the numbers: a verification of this property of the quadratic form of a product refers to the Brahmagupta-Fibonacci identity .

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

Normal Families of Bicomplex Holomorphic Functions
Functions Bicomplex Holomorphic The Algebra, Geometry and Analysis of Bicomplex Numbers M. Elena Luna-Elizarrarás • Michael Shapiro Daniele C. Struppa • Adrian Vajiac

Bicomplex Holomorphic Functions | Request PDF

The Bicomplex Numbers -- 2. Algebraic Structures of the Set of Bicomplex Numbers -- 3. Geometry and Trigonometric Representations of Bicomplex -- 4. Lines and curves in BC -- 5. Limits and Continuity -- 6. Elementary Bicomplex Functions -- 7. Bicomplex Derivability and Differentiability -- 8. Some properties of bicomplex holomorphic functions -- 9.

Bicomplex Holomorphic Functions: The Algebra, Geometry and ...
Bicomplex Holomorphic Functions. While the algebra of bicomplex numbers is a four-dimensional real algebra, it is useful to think of it as a “complexification” of the field of complex

Bookmark File PDF Bicomplex Holomorphic Functions The Algebra Geometry And Analysis Of Bicomplex Numbers Frontiers In Mathematics

numbers; from this perspective, the bicomplex algebra possesses the properties of a one-dimensional theory inside four real dimensions.

Holomorphic function - Wikipedia

It is well known that complex holomorphic functions are tightly related with harmonic functions of two real variables, a fact that proved to be of crucial importance for the theories of both...

Bicomplex algebra and function theory - ResearchGate

Holomorphic function. The existence of a complex derivative in a neighborhood is a very strong condition, for it implies that any holomorphic function is actually infinitely differentiable and equal to its own Taylor series (analytic). Holomorphic functions are the central objects of study in complex analysis .

Bookmark File PDF Bicomplex Holomorphic
Functions The Algebra Geometry And Analysis Of
Bicomplex Numbers Frontiers In Mathematics
Copyright code : f31e66af138d46264e458346944c5062.