

# Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions (Progress in Mathematics)

by Daniele C. Struppa

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The  $H^\infty$  functional calculus based on the  $S$ -spectrum for . Theory and Applications of Slice Hyperholomorphic Functions Prof. Fabrizio Colombo Politecnico di Milano, Irene Sabadini, Daniele C. Struppa Noncommutative Functional Calculus: Theory and Applications of . Noncommutative functional calculus : theory and applications of slice hyperholomorphic functions. Responsibility: Fabrizio Colombo, Irene Physical description: vi, 221 p. ; 25 cm. Series: Progress in mathematics (Boston, Mass.) v. 289. The spectral theorem for quaternionic unbounded normal operators . Editorial Reviews. From the Back Cover. This book presents a functional calculus for  $n$ -tuples of Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions: 289 (Progress in Mathematics) - Kindle Noncommutative Functional Calculus: Theory and Applications of . - Google Books Result Journal of Mathematical Physics 57, 023503 (2016); <https://doi.org/10.1063/1.4940051> . 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The logic of quantum mechanics,(1936) Ann. of Math., who showed . analysis, Series: Operator Theory: Advances and Applications, Vol. 256 (2016) Advances in Hypercomplex Analysis - Google Books Result Buy Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions: 289 (Progress in Mathematics) 2011 ed. by Fabrizio Noncommutative Functional Calculus, Theory and Applications of . Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions (Progress in Mathematics) - Fabrizio Colombo, Irene . Complex Analysis and Operator Theory - AIM Colombo, F., Sabadini, I.: The  $F$ -spectrum and the  $SC$ -functional calculus. Struppa, D.: A functional calculus in a noncommutative setting. Electron. Res. Announc. Math. Sci. Theory and Applications of Slice Hyperholomorphic Functions. Monogenic plane waves and the  $W$ -functional calculus Noncommutative Functional Calculus by Daniele Carlo Struppa, . Noncommutative Functional Calculus : Theory and Applications of Slice Hyperholomorphic Functions Paperback; Progress in Mathematics - English in a Clifford algebra: the so-called slice monogenic functions which are carefully described in the book. Regular Functions of a Quaternionic Variable - Google Books Result theory has proved useful in the creation of a non-commutative functional . I. Sabadini, D.C. Struppa, Noncommutative functional calculus (Theory and Applications of Slice Hyperholomorphic Functions), Progress in Mathematics series, 289,. Noncommutative Functional Calculus: Theory and Applications of . Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions (Progress in Mathematics) by Fabrizio Colombo . 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Mathematics (289). ISBN, 9783034801096; 9783034801102. Noncommutative Functional Calculus: Theory and Applications of . Noncommutative functional calculus, theory and applications of slice hyperholomorphic functions. Vol. 289, Progress in mathematics. Noncommutative Functional Calculus : Daniele Carlo Struppa . Read or Download Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions: 289 (Progress in Mathematics) PDF. Noncommutative functional calculus : theory and applications of . 24 Nov 2015 . arXiv:1511.07629v1 [math. erators, slice hyperholomorphic functions, S-functional calculus, . The definition above is well posed since the operator  $f(A)$  does .. equipped with the operation of sum and  $\cdot$ -product turn out to be non commutative, unital, Operator Theory: Advances and Applications,. Noncommutative functional calculus : theory and . - Sci-napse 14 Apr 2015 . The theory of slice hyperholomorphic functions turned out to be an important tool in One of the most important applications is the S-functional calculus, which is the noncommutative version of the Riesz–Dunford functional calculus that b Faculty of Mathematics and Physics, Charles University in Prague, Daniele Struppa Publications President s Office Chapman University ?Trends in Mathematics (Birkhauser, Basel, 2009), pp. 69—99 D.C. Struppa, Non commutative functional calculus: Bounded operators. Progress in Mathematical Physics, vol. Theory and applications of slice hyperholomorphic functions. Noncommutative Functional Calculus: Theory and Applications . Noncommutative Functional Calculus: Theory and Applications by Fabrizio Colombo . of Slice Hyperholomorphic Functions: 289 (Progress in Mathematics). Noncommutative Functional Calculus: Theory and Applications by . Noncommutative functional calculus. Theory and applications of slice hyperholomorphic functions. Progress in Mathematics, 289. Birkhäuser Basel AG), Basel. Noncommutative Functional Calculus: Theory and Applications of . Noncommutative Functional Calculus: Theory and Applications of Slice Hyperholomorphic Functions . Series: Progress in Mathematics 289. Price: 99.00. ISBN:. On some splitting properties of slice regular functions: Complex . 2 Slice monogenic functions. Noncommutative functional calculus : theory and applications of slice hyperholomorphic functions 5 Appendix: The Riesz-Dunford functional calculus. The Bargmann–Fock space of slice hyperholomorphic functions is recently introduced by Alpay, . Advances in Mathematics [IF: 1.37]. Noncommutative Functional Calculus: Theory and Applications of . Reviews in Mathematical PhysicsVol. Slice functions generalize the concept of slice regular function, which on each of these  $C^*$ -algebras, a functional calculus for quaternionic normal operators. In particular, we establish several versions of the spectral map theorem. . 1 Jan 2017 Advances in Mathematics, Vol. 305.