

# Applied Pseudoanalytic Function Theory

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Pseudoanalytic function theory generalizes and preserves many crucial features of complex analytic function theory. The Cauchy-Riemann system is replaced by a much more general first-order system with variable coefficients which turns out to be closely related to important equations of mathematical physics. This relation supplies powerful tools for studying and solving Schrödinger, Dirac, Maxwell, Klein-Gordon and other equations with the aid of complex-analytic methods. EAN/ISBN : 9783034600040 Publisher(s): Birkhuser Discussed keywords: Funktion (Mathematik) Format: ePub/PDF Author(s): Kravchenko, Vladislav V.

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