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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Contents -- q-Deformed Hyperbolic Tangent Relied Banach Space Valued Multivariate Multi Layer Neural Network Approximation -- 1 Introduction -- 2 About q-Deformed tanhqx -- 3 Multivariate General Neural Network Approximations -- References -- Dynamics and Chaos Control of the Deformed K Map -- 1 Introduction -- 2 Formation of q-Deformed K Map -- 3 Dynamics of the q-Deformed K Map -- 3.1 Existence of Positive Fixed Point -- 3.2 Stability of the Fixed Points -- 3.3 Cobweb and Time Series Plots -- 4 Bifurcation Analysis of the q-Deformed K Map -- 4.1 Effect of High Deformation -- 5 Topological Entropy of the q-Deformed K Map -- 6 Chaos Control of the q-Deformed K Map -- 7 Conclusion -- References -- Relativistic Modelling for Anisotropic Stellar Object -- 1 Introduction -- 2

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## Sommario/riassunto

This book gathers selected research articles presented in the “6th  
 International Conference on Mathematical Modelling, Applied Analysis  
 and Computation (ICMMAAC)”, held at JECRC University, Jaipur, during  
 August 3–5, 2023. This book is focused on articles dealing with  
 necessary theory and techniques in a balanced manner, and contributes  
 towards solving mathematical problems arising in physics, engineering,  
 chemistry, biological systems, medicine, networking system, control  
 systems, environmental sciences, social issues of current interest and  
 more. Annually held since 2018, the ICMMAAC conference aimed, in

particular, to foster cooperation among practitioners and theoreticians in these fields. This proceedings is an invaluable resource for researchers, academicians and professionals associated or interested in current advances in different aspects of mathematical modelling, computational algorithms and analysis necessary for handling real-world problems.

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