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abstract this book continues the authoritative and established edited series of theoretical ecology books initiated by robert may which helped pave the way for ecology to become a more robust theoretical science encouraging the modern biologist to better understand the mathematics behind their theories

quantum mechanics concepts and applications is a comprehensive textbook which is most useful to senior undergraduate and first year graduate students seeking mastery of the field as well as to researchers in need of a quick practical reference for the various techniques necessary for optimal

an innovative approach to quantum mechanics that seamlessly combines textbook and problem solving book into one quantum mechanics concepts and applications provides an in depth treatment of this fundamental theory combining detailed formalism with straightforward practice

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the recently emerged field of anapole electrodynamics is reviewed explicating its relevance to multipolar nanophotonics including direct experimental observations manifestations in nonlinear optics and rapidly expanding applications

the text's strong research base clear presentation and practical applications will help students build a solid foundation in motor skills and prepare them for further exploration on their own

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