

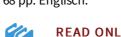
DOWNLOAD

On Generalized Uncertainty Principle

By Bhupendra Nath Tiwari

LAP Lambert Academic Publishing Jun 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x4 mm. Neuware -The present research explores the role of generalized uncertainty inequalities in the theory of quantum gravity. Motivated from the noncommutative nature of string theory, we show that there exists an ultraviolet/ infrared mixing dependent function. From the perspective of higher derivative stringy corrections, the uncertainty principle arises as the analyticity condition of a complex function. For a given ultraviolet cutoff, this observation non-trivially modifies the algebra of quantum observables. With the postulate that Planck length is the minimal length scale in nature, our analysis is in accordance with T-duality symmetry and the existence of both the maximum and minimum length scales. Given a finite size universe, we find that the uncertainty inequalities do exist in any quantum theory. Both the Regge behavior of string spectrum and the black hole horizon area quantization are natural consequences. The role of the generalized uncertainty principle is discussed towards the effects of quantum gravity, short distance geometries, Fourier transformation, distribution theory, discretization of spacetime and thus the perspective for the geometric origin of M-theory. 68 pp. Englisch.





Reviews

It in a single of my favorite publication. It really is rally interesting through studying period. Your life period will probably be transform once you total looking at this book.

-- Janie Schultz I

These kinds of pdf is the greatest ebook readily available. This really is for those who statte that there had not been a worthy of looking at. Your daily life period will be change when you comprehensive looking over this pdf.

-- Dock Hodkiewicz

Other PDFs



Short Stories 3 Year Old and His Cat and Christmas Holiday Short Story Dec 2015: Short Stories

2016. PAP. Book Condition: New. New Book. Delivered from our US warehouse in 10 to 14 business days. THIS BOOK IS PRINTED ON DEMAND. Established seller since 2000.



On the Go: Set 09: Non-Fiction

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, On the Go: Set 09: Non-Fiction, Monica Hughes, Phonics Bug is the first Phonics programme to bring together research-based teaching methods with 100% decodable books, CBeebies video, and an online reading world to...



Ohio Court Rules 2015, Government of Bench Bar

Createspace, United States, 2014. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. Ohio Court Rules 2015, Government of Bench Bar, contains all of the rules relating to Ohio attorneys and judges and...



Ohio Court Rules 2015, Practice Procedure

Createspace, United States, 2014. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book ***** Print on Demand *****. Ohio Court Rules 2015, Practice Procedure, contains all of the procedural rules you need for the daily practice of law...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English. Brand New Book ***** Print on Demand *****. Reading to children is a wonderful activity and past time that both parents and teachers enjoy. Seeing their rapt, excited...