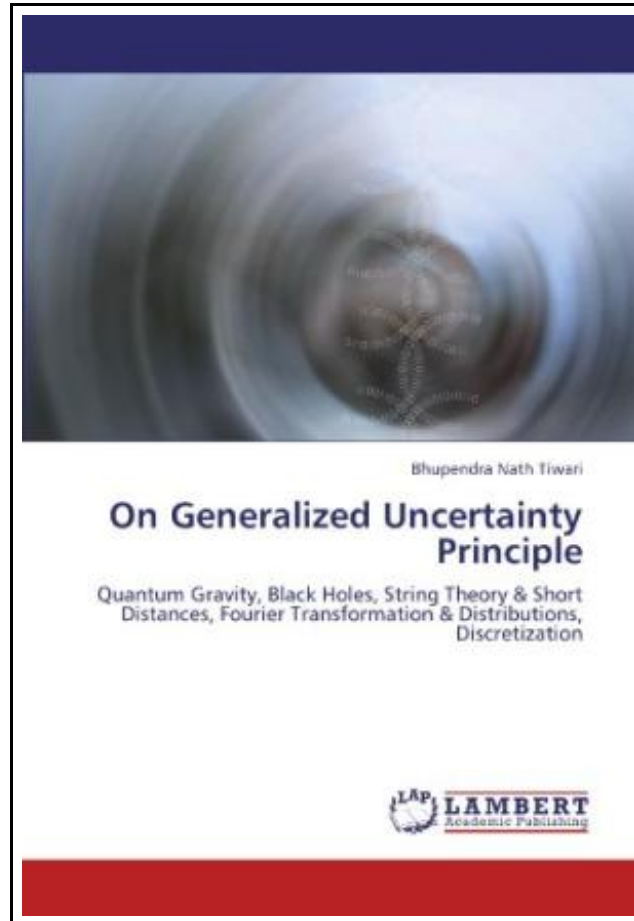


On Generalized Uncertainty Principle



Filesize: 1.19 MB

Reviews

It is one of the best books. Indeed, it really is a play, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Sofia Yundt)

ON GENERALIZED UNCERTAINTY PRINCIPLE

[DOWNLOAD](#)

To save **On Generalized Uncertainty Principle** eBook, make sure you click the link listed below and download the file or have access to additional information that are highly relevant to ON GENERALIZED UNCERTAINTY PRINCIPLE ebook.

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.

[Read On Generalized Uncertainty Principle Online](#)[Download PDF On Generalized Uncertainty Principle](#)

Other PDFs



[PDF] Psychologisches Testverfahren

Follow the link below to download and read "Psychologisches Testverfahren" file.

[Download Document »](#)



[PDF] Programming in D

Follow the link below to download and read "Programming in D" file.

[Download Document »](#)



[PDF] Adobe Indesign CS/Cs2 Breakthroughs

Follow the link below to download and read "Adobe Indesign CS/Cs2 Breakthroughs" file.

[Download Document »](#)



[PDF] Have You Locked the Castle Gate?

Follow the link below to download and read "Have You Locked the Castle Gate?" file.

[Download Document »](#)



[PDF] The Java Tutorial (3rd Edition)

Follow the link below to download and read "The Java Tutorial (3rd Edition)" file.

[Download Document »](#)



[PDF] In Nature s Realm, Op.91 / B.168: Study Score (Paperback)

Follow the link below to download and read "In Nature s Realm, Op.91 / B.168: Study Score (Paperback)" file.

[Download Document »](#)