



# Probabilistic Normed Spaces

*Bernardo Lafuerza Guillen, Panackal Harikrishnan*

Download now

[Click here](#) if your download doesn't start automatically

# Probabilistic Normed Spaces

*Bernardo Lafuerza Guillen, Panackal Harikrishnan*

**Probabilistic Normed Spaces** Bernardo Lafuerza Guillen, Panackal Harikrishnan

This book provides a comprehensive foundation in Probabilistic Normed (PN) Spaces for anyone conducting research in this field of mathematics and statistics. It is the first to fully discuss the developments and the open problems of this highly relevant topic, introduced by A N Serstnev in the early 1960s as a response to problems of best approximations in statistics.

The theory was revived by Claudi Alsina, Bert Schweizer and Abe Sklar in 1993, who provided a new, wider definition of a PN space which quickly became the standard adopted by all researchers. This book is the first wholly up-to-date and thorough investigation of the properties, uses and applications of PN spaces, based on the standard definition. Topics covered include:

- What are PN spaces?
- The topology of PN spaces
- Probabilistic norms and convergence
- Products and quotients of PN spaces
- $D$ -boundedness and  $D$ -compactness
- Normability
- Invariant and semi-invariant PN spaces
- Linear operators
- Stability of some functional equations in PN spaces
- Menger's 2-probabilistic normed spaces

The theory of PN spaces is relevant as a generalization of deterministic results of linear normed spaces and also in the study of random operator equations. This introduction will therefore have broad relevance across mathematical and statistical research, especially those working in probabilistic functional analysis and probabilistic geometry.

## **Contents:**

- Preliminaries
- Probabilistic Normed Spaces
- The Topology of PN Spaces
- Probabilistic Norms and Convergence
- Products and Quotients of PN Spaces
- $D$ -Boundedness and  $D$ -Compactness
- Normability
- Invariant and Semi-Invariant PN Spaces
- Linear Operators
- Stability of Some Functional Equations in PN Spaces

- Menger's 2-Probabilistic Normed Spaces

**Readership:** Post graduate students and researchers in the field of Probabilistic Normed Spaces.

**Key Features:**

A good reference book for post graduate students and researchers in this field as it identifies the developments and open problems in PN spaces

 [Download Probabilistic Normed Spaces ...pdf](#)

 [Read Online Probabilistic Normed Spaces ...pdf](#)

## **Download and Read Free Online Probabilistic Normed Spaces Bernardo Lafuerza Guillen, Panackal Harikrishnan**

### **From reader reviews:**

Glenn Hancock:Book is written, printed, or created for everything. You can understand everything you want by a reserve. Book has a different type. As it is known to us that book is important point to bring us around the world. Alongside that you can your reading ability was fluently. A guide Probabilistic Normed Spaces will make you to be smarter. You can feel far more confidence if you can know about almost everything. But some of you think this open or reading a new book make you bored. It is not necessarily make you fun. Why they might be thought like that? Have you seeking best book or appropriate book with you?

Albert Collins:In this 21st century, people become competitive in each and every way. By being competitive at this point, people have do something to make these individuals survives, being in the middle of the crowded place and notice by simply surrounding. One thing that at times many people have underestimated that for a while is reading. Yeah, by reading a publication your ability to survive improve then having chance to stand up than other is high. For you who want to start reading a book, we give you this kind of Probabilistic Normed Spaces book as beginner and daily reading e-book. Why, because this book is greater than just a book.

James Haney:Do you considered one of people who can't read pleasurable if the sentence chained from the straightway, hold on guys this aren't like that. This Probabilistic Normed Spaces book is readable simply by you who hate those straight word style. You will find the details here are arrange for enjoyable looking at experience without leaving also decrease the knowledge that want to supply to you. The writer connected with Probabilistic Normed Spaces content conveys the idea easily to understand by lots of people. The printed and e-book are not different in the information but it just different by means of it. So , do you still thinking Probabilistic Normed Spaces is not loveable to be your top list reading book?

Donna Hoffmann:People live in this new day of lifestyle always make an effort to and must have the spare time or they will get lots of stress from both way of life and work. So , whenever we ask do people have free time, we will say absolutely without a doubt. People is human not really a robot. Then we request again, what kind of activity have you got when the spare time coming to an individual of course your answer may unlimited right. Then ever try this one, reading guides. It can be your alternative with spending your spare time, the actual book you have read is definitely Probabilistic Normed Spaces.

Download and Read Online Probabilistic Normed Spaces Bernardo Lafuerza Guillen, Panackal Harikrishnan #V3BMCH24PIY

Read Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan for online ebook Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, great books to read, PDF best books to read, top books to read Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan books to read online. Online Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan ebook PDF download Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan Doc Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan Mobipocket Probabilistic Normed Spaces by Bernardo Lafuerza Guillen, Panackal Harikrishnan EPub