



## Probabilities and Materials

### Tests, Models and Applications

Edited by

D. Breysse

NATO ASI Series

Series E: Applied Sciences - Vol. 269

D. Breysse (Ed.)

# Probabilities and Materials

Tests, Models and Applications

Series: Nato Science Series E:

Most industrial and natural materials exhibit a macroscopic behaviour which results from the existence of microscale inhomogeneities. The influence of such inhomogeneities is commonly modelled using probabilistic methods. Most of the approaches to the evaluation of the safety of structures according to probabilistic criteria are somewhat scattered, however, and it is time to present such material in a coherent and up-to-date form. Probabilities and Materials undertakes this task, and also defines the great tasks that must be tackled in coming years. For engineers and researchers dealing with materials, geotechnics, solid mechanics, soil mechanics, statistics and stochastic processes. The expository nature of the book means that no prior knowledge of statistics or probability is required of the reader. The book can thus serve as an excellent introduction to the nature of applied statistics and stochastic modelling.

Softcover reprint of the original 1st ed.  
1994, XIII, 538 p.

#### Printed book

Softcover

64,99 € | £54.99 | \$79.99

<sup>[1]</sup>69,54 € (D) | 71,49 € (A) | CHF

77,00

#### eBook

53,49 € | £43.99 | \$59.99

<sup>[2]</sup>53,49 € (D) | 53,49 € (A) | CHF

61,50

Available from your library or  
[springer.com/shop](http://springer.com/shop)

#### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

