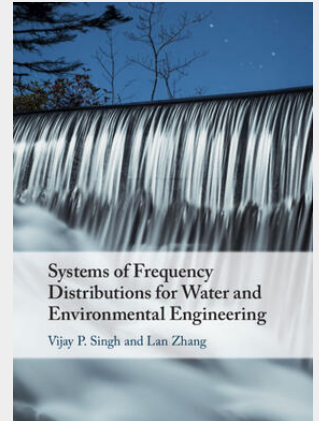


Singh / Zhang

## Systems of Frequency Distributions for Water and Environmental Engineering

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A multitude of processes in hydrology and environmental engineering are either random or entail random components which are characterized by random variables. These variables are described by frequency distributions. This book provides an overview of different systems of frequency distributions, their properties, and applications to the fields of water resources and environmental engineering. A variety of systems are covered, including the Pearson system, Burr system, and systems commonly applied in economics, such as the D'Addario, Dagum, Stoppa, and Esteban systems. The latter chapters focus on the Singh system and the frequency distributions deduced from Bessel functions, maximum entropy theory, and the transformations of random variables. The final chapter introduces the genetic theory of frequency distributions. Using real-world data, this book provides a valuable reference for researchers, graduate students, and professionals interested in frequency analysis.



**138,50 €**

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Lieferfrist: bis zu 10 Tage

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**Artikelnummer:** 9781108494649

**Medium:** Buch

**ISBN:** 978-1-108-49464-9

**Verlag:** Cambridge University Press

**Erscheinungstermin:** 26.11.2020

**Sprache(n):** Englisch

**Auflage:** Erscheinungsjahr 2020

**Produktform:** Gebunden

**Gewicht:** 699 g

**Seiten:** 293

**Format (B x H):** 170 x 244 mm

