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Nota di contenuto	Preface; Contents; 1. Introduction; 2. The Flory model; 3. Random interval packing; 4. On the minimum of gaps generated by 1-dimensional random packing; 5. Integral equation method for the 1-dimensional random packing; 6. Random sequential bisection and its associated binary tree; 7. The unified Kakutani Renyi model; 8. Parking cars with spin but no length; 9. Random sequential packing simulations; 10. Discrete cube packings in the cube; 11. Discrete cube packings in the torus; 12. Continuous random cube packings in cube and torus; Appendix A Combinatorial Enumeration; Bibliography; Index
Sommario/riassunto	In this volume very simplified models are introduced to understand the random sequential packing models mathematically. The 1-dimensional model is sometimes called the Parking Problem, which is known by the pioneering works by Flory (1939), Renyi (1958), Dvoretzky and Robbins (1962). To obtain a 1-dimensional packing density, distribution of the minimum of gaps, etc., the classical analysis has to be studied. The packing density of the general multi-dimensional random sequential packing of cubes (hypercubes) makes a well-known unsolved problem. The experimental analysis is usually applied to t