
Contents

Preface	<i>page vii</i>
1. Introduction	1
Problems in counting dust particles and bacteria. Related problems in bombing, traffic density and in the physical sciences. The infinite clump.	
2. Coincidence in processions of black and white	6
The chance occurrence of chains of black or white members in a procession. The number and size of the chains.	
3. Lines formed from short dashes	12
The number of overlapping dashes making up a clump when dashes are placed on a line at random. The length of the clumps when the dashes are all equal. Unequal dashes. A non-Markovian process.	
4. Clumps of laminae in a plane	26
The clumps occurring when circular laminae are placed at random in a plane. Exact and approximate formulae. Laminae of other shapes. Application to practical problems of measurements on samples of dust. Simplified models. The combinatorial problem.	
5. Coincidence of random points on a square lattice	73
Exact results for clumps. Upper and lower limits. Relation to some problems in theoretical physics.	
6. Coincidence of black and white members in a queue of two abreast	82
The complete solution for the number of clumps of different size and density.	
Index	93