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| Autore | CHRISTIE, Agatha |
| Titolo | Sleeping murder / Agatha Christie |
| Pubbl/distr/stampa | New York, : Bantam Books, 1977 |
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| Descrizione fisica | 216 p. ; 18 cm. |
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| Autore | Kendall D. G (David George), <1918-2007.> |
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| Descrizione fisica | 1 online resource (328 p.) |
| Collana | Wiley series in probability and statistics |
| Altri autori (Persone) | KendallD. G <1918-2007.> (David George) |
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| Soggetti | Shape theory (Topology)
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matrix representation for the shape of a k -ad; 1.4 'Elementary' shape spaces k_1 and k_2 ; 1.5 The Fubini-Study metric on k_2 ; 1.6 The proof of Casson's theorem; Chapter 2 The Global Structure of Shape Spaces; 2.1 The problem; 2.2 When is a space familiar; 2.3 CW complexes; 2.4 A cellular decomposition of the unit sphere; 2.5 The cellular decomposition of shape spaces; 2.6 Inclusions and isometries; 2.7 Simple connectivity and higher homotopy groups; 2.8 The mapping cone decomposition; 2.9 Homotopy type and Casson's theorem; Chapter 3 Computing the Homology of Cell Complexes; 3.1 The orientation of certain spaces; 3.2 The orientation of spherical cells; 3.3 The boundary of an oriented cell; 3.4 The chain complex, homology and cohomology groups; 3.5 Reduced homology; 3.6 The homology exact sequence for shape spaces; 3.7 Applications of the exact sequence; 3.8 Topological invariants that distinguish between shape spaces; Chapter 4 A Chain Complex for Shape Spaces; 4.1 The chain complex; 4.2 The space of unoriented shapes; 4.3 The boundary map in the chain complex; 4.4 Decomposing the chain complex; 4.5 Homology and cohomology of the spaces; 4.6 Connectivity of shape spaces; 4.7 Limits of shape spaces; Chapter 5 The Homology Groups of Shape Spaces; 5.1 Spaces of shapes in 2-space; 5.2 Spaces of shapes in 3-space; 5.3 Spaces of shapes in 4-space; 5.4 Spaces of unoriented shapes in 2-space; 5.5 Spaces of unoriented shapes in 3-space; 5.6 Spaces of unoriented shapes in 4-space; 5.7 Decomposing the essential complexes; 5.8 Closed formulae for the homology groups; 5.9 Duality in shape spaces; Chapter 6 Geodesics in Shape Spaces; 6.1 The action of $SO(m)$ on the pre-shape sphere; 6.2 Viewing the induced Riemannian metric through horizontal geodesics; 6.3 The singular points and the nesting principle; 6.4 The distance between shapes; 6.5 The set of geodesics between two shapes; 6.6 The non-uniqueness of minimal geodesics; 6.7 The cut locus in shape spaces; 6.8 The distances and projections to lower strata; Chapter 7 The Riemannian Structure of Shape Spaces; 7.1 The Riemannian metric; 7.2 The metric re-expressed through natural local vector fields; 7.3 The Riemannian curvature tensor; Chapter 8 Induced Shape-Measures; 8.1 Geometric preliminaries; 8.2 The shape-measure on k_m induced by k labelled iid isotropic Gaussian distributions on R^m ; 8.3 Shape-measures on $m+1$ of Poisson-Delaunay tiles; 8.4 Shape-measures on k_2 induced by k labelled iid non-isotropic Gaussian distributions on R^2 ; 8.5 Shape-measures on k_2 induced by complex normal distributions; 8.6 The shape-measure on 3_2 induced by three labelled iid uniform distributions in a compact convex set; 8.7 The shape-measure on 3_2 induced by three labelled iid uniform distributions in a convex polygon. I: the singular tessellation

Sommario/riassunto

Shape and Shape Theory D. G. Kendall Churchill College, University of Cambridge, UK D. Barden Girton College, University of Cambridge, UK T. K. Carne King's College, University of Cambridge, UK H. Le University of Nottingham, UK The statistical theory of shape is a relatively new topic and is generating a great deal of interest and comment by statisticians, engineers and computer scientists. Mathematically, 'shape' is the geometrical information required to describe an object when location, scale and rotational effects are removed. The theory was pioneered by Professor David Kendall to solve p