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| Nota di contenuto | Cover; Title Page; Copyright; Contents; List of Contributors; Preface; Chapter 1 Entropy and Renormalization in Chaotic Visibility Graphs; 1.1 Mapping Time Series to Networks; 1.1.1 Natural and Horizontal Visibility Algorithms; 1.1.2 A Brief Overview of Some Initial Applications; 1.1.2.1 Seismicity; 1.1.2.2 Hurricanes; 1.1.2.3 Turbulence; 1.1.2.4 Financial Applications; 1.1.2.5 Physiology; 1.2 Visibility Graphs and Entropy; 1.2.1 Definitions of Entropy in Visibility Graphs; 1.2.2 Pesin Theorem in Visibility Graphs; 1.2.3 Graph Entropy Optimization and Critical Points 1.3 Renormalization Group Transformations of Horizontal Visibility Graphs 1.3.1 Tangent Bifurcation; 1.3.2 Period-Doubling Accumulation Point; 1.3.3 Quasi-Periodicity; 1.3.4 Entropy Extrema and RG Transformation; 1.3.4.1 Intermittency; 1.3.4.2 Period Doubling; 1.3.4.3 Quasi-periodicity; 1.4 Summary; 1.5 Acknowledgments; References; Chapter 2 Generalized Entropies of Complex and Random Networks; 2.1 Introduction; 2.2 Generalized Entropies; 2.3 Entropy of Networks: Definition and Properties; 2.4 Application of Generalized Entropy for Network Analysis; 2.5 Open Networks; 2.6 Summary; References Chapter 3 Information Flow and Entropy Production on Bayesian Networks 3.1 Introduction; 3.1.1 Background; 3.1.2 Basic Ideas of Information Thermodynamics; 3.1.3 Outline of this Chapter; 3.2 Brief |

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