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| Nota di contenuto       | Intro -- MULTIFRACTAL ANALYSIS OF UNSTABLE PLASTIC FLOW --<br>NOTICE TO THE READER -- CONTENTS -- PREFACE -- INTRODUCTION<br>-- UNSTABLE PLASTIC FLOW -- 2.1. The Nature of Plastic Instability --<br>2.2. Portevin-Le Chatelier Effect -- MULTIFRACTAL ANALYSIS -- 3.1.<br>Fractal Dimensions -- 3.2. Multifractals -- 3.3. Numerical<br>Implementation of the Multifractal Analysis -- 3.4. Effect of Noise and<br>Data Truncation -- EXPERIMENTAL TECHNIQUE AND ANALYSIS OF<br>DEFORMATION CURVES -- 4.1. Recording of Deformation Curves --<br>4.2. Preparation of Time Series for the Analysis -- EXPERIMENTAL<br>INVESTIGATIONS OF PLASTIC INSTABILITY -- 5.1. Multifractal Structure<br>of Type C Curves -- 5.2. Multifractal Analysis of Type B Serrations --<br>5.3. The Overall Behavior of the PLC Instability -- 5.4. Plastic Instability<br>in Austenitic Fe-Mn-C Steels -- CONCLUSION -- ACKNOWLEDGEMENTS<br>-- REFERENCES -- INDEX. |