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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 302 Publisher: Science Pub. Date :2011-06-01 version 1. Particulate matter from the large number of discrete solid particles. over the past century. industrial and engineering fields in-depth study. made a number of phenomenological models and the theory. However. the strong nonlinear behavior of solid particles and the stress and strain localization across the class of solid and fluid-solid - liquid transition behavior. rheological properties of particle-fluid. particle type gas gas - liquid phase transition of the complex nature of the physical mechanism far from being a reasonable explanation. Particulate matter is the role of contact force as the main multi-body system. for its multi-scale structural features. analysis of the physical mechanism of their scale. the establishment of the association between the scales. in-depth study of particle physics and mechanical properties of complex systems inevitable path. As a starting point. Sun QC. thick and Jinfeng and other written Biei particulate matter physics and mechanics. summarizes the different scales of particulate matter in physics and mechanics of excellent results. Particulate matter physics and mechanics for the physical. mechanical. water and geological disasters. and other areas of scientific research personnel. as well as related institutions of higher education graduate students and senior undergraduates reference. Contents: Preface Chapter 1. the solid particle conservation equations of fluid dynamics and the entropy increase 1.1 1.2 Newtonian equations of thermodynamic relations and material model 1.2.1 1.2.2 fluid equilibrium thermodynamic equilibrium conditions and entropy Manufacturing: Onsager nonequilibrium thermodynamics 1.2.3 entropy flow. stress and energy flow of fluid dynamics and free energy derived 1.2.4 migration coefficient model: material modeling and computational fluid dynamics 1.3 elastic solid model of the thermodynamic relations and the material's geometric equations strain...

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