

<<连续介质物理中的双曲守恒律 (精装)>>

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内容概要

The seeds of Continuum Physics were planted with the works of the natural philosophers of the eighteenth century, most notably Euler, by the mid-nineteenth century, the trees were fully grown and ready to yield fruit. It was in this environment that the study of gas dynamics gave birth to the theory of quasilinear hyperbolic systems in divergence form, commonly called “ hyperbolic conservation laws ” ; and these two subject have been traveling hand-in-hand over the past one hundred and fifty years. This book aims at presenting the theory of hyperbolic conservation laws from the standpoint of its genetic relation to Continuum Physics. Even though research is still marching at a brisk pace, both fields have attained by now the degree of maturity that would warrant the writing of such an exposition.

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