

Hyberbolic systems of conservation laws and the mathematical theory of shock waves

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20451130&lokasi=lokal>

Abstrak

This book deals with the mathematical side of the theory of shock waves. The author presents what is known about the existence and uniqueness of generalized solutions of the initial value problem subject to the entropy conditions. The subtle dissipation introduced by the entropy condition is investigated and the slow decay in signal strength it causes is shown.