

Springer Series in Solid-State Sciences 173

Pierre Deymier *Editor*

Acoustic Metamaterials and Phononic Crystals

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Acoustic Metamaterials and Phononic Crystals

This comprehensive book presents all aspects of acoustic metamaterials and phononic crystals. The emphasis is on acoustic wave propagation phenomena at interfaces such as refraction, especially unusual refractive properties and negative refraction. A thorough discussion of the mechanisms leading to such refractive phenomena includes local resonances in metamaterials and scattering in phononic crystals.

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