

**acoustic metamaterials and phononic pdf**

Optical metamaterials have been widely studied in the past decade for applications such as cloaking and perfect lenses. The basic principles of optical metamaterials apply to acoustic ...

**New metamaterials device focuses sound waves like a camera**

A perfectly matched layer (PML) is an artificial absorbing layer for wave equations, commonly used to truncate computational regions in numerical methods to simulate problems with open boundaries, especially in the FDTD and FE methods. The key property of a PML that distinguishes it from an ordinary absorbing material is that it is designed so that waves incident upon the PML from a non-PML ...

**Perfectly matched layer - Wikipedia**

Chirality is a fundamental property of an object not identical to its mirror image. For elementary and quasiparticles, it is an important quantum concept at the heart of modern physics.

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