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Title:Homogeneous hyperbolic systems for terahertz and far-infrared frequencies

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Abstract:We demonstrate that homogeneous naturally-occurring materials can form hyperbolic media, and can be used for nonmagnetic negative refractive index systems. We present specific realizations of the proposed approach for the THz and far-IR frequencies. The proposed structures operate away from resonance, thereby promising the capacity for low-loss devices. © 2012 Leonid V. Alekseyev et al.

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