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

Authors:Alekseyev, Leonid V. (1); Podolskiy, Viktor A. (2); Narimanov, Evgenii E. (1)

Author affiliation:(1) Electrical and Computer Engineering Department, Purdue University, West Lafayette, IN 47907, United States; (2) Department of Physics, Oregon State University, Corvallis, OR 97331, United States; (3) Department of Physics and Applied Physics, University of Massachusetts Lowell, Lowell, MA 01854, United States

Corresponding author:Narimanov, E.E.(evgenii@purdue.edu)

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.

Number of references:39

Main heading:Refractive index

Controlled terms:Cryptography - Electrical engineering - Magnetic materials

Uncontrolled terms:Far-infrared frequencies - Hyperbolic system - Negative refractive index - Nonmagnetics - Tera Hertz

Classification code:741.1 Light/Optics - 723 Computer Software, Data Handling and Applications - 718 Telephone Systems and Related Technologies; Line Communications - 717 Optical Communication - 716 Telecommunication; Radar, Radio and Television - 709 Electrical Engineering, General - 708.4 Magnetic Materials

Database:Compendex