

Negative refraction - bending light the wrong way

The concept of negative refraction was coined first in 1966 with Veselago and more recently in 2000 with Pendry. A material with negative refraction would bend light the “wrong” way, but it does not exist in nature. How can we produce metamaterials with such a property? After introducing these concepts, the lecture will move on to experimental demonstrations and discuss possible applications such as the “perfect lens” or the “invisibility cloak”.

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Classification de thématique: Manipulating light