

Take-Home Exam No. 02 (Spring 2014)

PHYS 520B: Electromagnetic Theory

Due date: 2014 Apr 21

1. Read the article in Ref. [1] and Ref. [2]. Ref. [1] is technical, and Ref. [2] should be an easy read.
2. Summarize the idea introduced in Ref. [1].

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- [1] J. B. Pendry, A. J. Holden, D. J. Robbins, and W. J. Stewart, “Magnetism from conductors and enhanced nonlinear phenomena,” *IEEE Transactions on Microwave Theory and Techniques* **47**, 2075 (1999).
- [2] J. B. Pendry and D. R. Smith, “Reversing Light With Negative Refraction,” *Physics Today* **57**, 37 (2004).