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gunther uhlmann* (gunther@math.washington.edu), Department of Mathematics UW, Box 354350, Seattle, WA 98195, and **Allan Greenleaf, Yaroslav Kurylev** and **Matti Lassas**. *Can one make objects invisible?*

Abstract: The subject of invisibility has fascinated people for thousands of years. There has recently been considerable theoretical and practical progress in understanding how to cloak objects. We will discuss some of the recent work on the subject of invisibility which involves using singular electromagnetic parameters, or singular Riemannian metrics. (Received February 19, 2007)