1024-35-242   **Allan Greenleaf**, **Yaroslav Kurylev**, **Matti Lassas** and **Gunther Uhlmann***
(`gunther@math.washington.edu`). *Mathematics of Invisibility.*

There has recently been considerable interest in the possibility, both theoretical and practical, of invisibility (or "cloaking") from observations by electromagnetic waves. We describe several constructions of cloaking devices for Helmholtz and Maxwell's equations. (Received January 09, 2007)