

# References

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Invisibility: Cloaking Device: [International Edition Edition]

Bruning, Karla. Newsweek (Nov 6, 2006): 0.

[Link to document in ProQuest](#)

## Abstract (summary):

Trekkies, it's time to get excited. A team of researchers from Duke University, Imperial College and the technology firm SensorMetrix has finally taken a step toward catching up with Klingon technology: they've designed the first working invisibility cloak.

## Full Text:

Trekkies, it's time to get excited. A team of researchers from Duke University, Imperial College and the technology firm SensorMetrix has finally taken a step toward catching up with Klingon technology: they've designed the first working invisibility cloak. It's made of a so-called metamaterial--a composite with unique electromagnetic properties--which causes microwave beams to bend around it, similar to how water might flow around a smooth rock. A plane or spaceship wrapped in such a cloak could theoretically bend a radar beam (rather than reflect it), making it appear invisible to the radar operators. In their study, the researchers developed a 13cm cloak that partially hid a copper cylinder by reducing its reflection and shadow. Alas, a true invisibility cloak, like the ones depicted on "Star Trek" or in "Harry Potter"--is still a distant dream. It would have to bend visible light rays, which run a wide range of frequencies--a much tougher problem.

## Indexing (details):

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