

Stanford Department of Mathematics Colloquium

CLOAKING BY CHANGE OF VARIABLES

ROBERT KOHN

Courant

Abstract

We say a region of space is “cloaked” with respect to electromagnetic measurements if its contents – and even the existence of the cloak – are inaccessible to such measurements. One recent proposal for achieving cloaking takes advantage of the coordinate-invariance of Maxwell’s equations. I shall explain this scheme, including its mathematical basis and its apparent limitations.

Thursday, March 13

4:15 p.m.

Room 380-F

<http://math.stanford.edu/coll/0708/>