



Beate ZIMMER (bzimmer@muw.edu), Division of Science and Mathematics, Mississippi University for Women, Columbus, MS 39701, USA, *Isometries of C^* -algebras*.

ABSTRACT. We use Nonstandard Analysis to study isometries between C^* -algebras. Previously we used nonstandard peak functions to study isometries between $C(K)$ -spaces. This talk presents some first results on generalizing these results to C^* -algebras. Kadison's theorem about isometries of operator algebras dates back to 1951, but a different approach may give some new insights.