

Contributed Talks

AUTOMATIC CONTINUITY OF NONSTANDARD MEASURES

DAVID A. ROSS

Measures constructed using nonstandard analysis are automatically continuous; this is useful for extending results true for countably-additive measures to the finitely-additive case. I will give some examples, including a pretty theorem of Banach on representations of finitely-additive measures and a finitely-additive version of the Borel-Cantelli lemma.

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF HAWAI'I AT MANOA, HONOLULU, HI 96822 U.S.A.

E-mail address: `ross@math.hawaii.edu`