

COLLOQUIUM

University of Regina

Department of Mathematics and Statistics

Speaker: Martin Argerami (University of Regina)

Title: “Every sequence is convergent”

Time & Place: Friday, March 13, 4:00 - 5:00 pm, CL 313

Abstract

We will show how the notion of ultrafilter can be derived in an intuitive way from an attempt to make every bounded sequence convergent. Then we will show how the notion of ultrafilter leads to ultraproducts, and in the last part of the talk we will discuss the role this notion plays in the theory of II_1 factors (in the argot, “Connes Embedding Problem”).