Monday's Nonstandard Seminar 3

14:00

Author: Peter Hästö (University of Turku)

Title: **Orlicz spaces and generalized Orlicz spaces**

Abstract: Generalized Orlicz spaces include as special cases a wide range of function spaces, such as Lebesgue space, Orlicz spaces, variable exponent spaces, double phase spaces and logarithmic perturbations of the aforementioned. Working in generalized Orlicz spaces involves some operations such as splicing the Orlicz functions that are not commonplace in the traditional Orlicz setting. In this talk, I explain some extensions to the Orlicz space theory which enable these operations and show that they may be useful even when there in the non-generalized Orlicz case, sometimes even yielding new results for classical Lebesgue spaces.