

NUMBER THEORY SEMINAR

Dedekind Sums and Uniform Distributions

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WHEN: Wed 27 Jan 2010, 3:30 p.m.

WHERE: Chase 319

ABSTRACT:

Dedekind sums have important applications in various parts of number theory, and they have been studied quite extensively. By far the most important property is the reciprocity law, which has many consequences and also allows for an easy computation of Dedekind sums.

In this talk I will give a new elementary proof of the reciprocity law, based on uniform distributions of integers in subintervals of the real line.

Any questions, please email: rnoble@mathstat.dal.ca.