DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

Mathematics seminar

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A computational approach to the Thompson groups F and T

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IMADA seminar room

Abstract

It is a long standing open problem whether the Thompson group F is amenable. In this talk I will give a brief introduction to the three Thompson groups F, T and V and their C^*-algebras and von Neumann algebras. Then I will discuss how we can estimate the norm of an operator in the Thompson group T, which is related to the amenability problem of the Thompson group F. This is a continuation of the work started in "A computational approach to the Thompson group F", which I wrote in collaboration with Uffe Haagerup and Søren Haagerup.