STUDENT WORKSHOP SZCZECIN 2019

Speaker: Hanna Stojałowska (University of Szczecin)

Title: *Totally positive units of a real holomorphy ring*

Abstract: In my talk I will introduce a generalization of Schülting's problem about the minimal natural number n required to write a totally positive unit of a real holomorphy ring as a sum of n squares of totally positive units. I will present previous attempts of Schmidt and Becker of solving this issue, a gap in one of Schmidt's proofs with a counterexample, and open problems.