

Number Theory (SP Convidada)

Organizador: Ariel Pacetti

Descrição da proposta de sessão paralela: Number theory has its origin in the study of arithmetical properties of the integers and applications to geometric problems (like the study of Pythagorean triples and more generally study of solutions of the so called Diophantine equations). The goal of the present session is to present modern results on very active research problems within the area. All presentations will have an introductory part of the problem, aimed to a general audience.

Orador 1 - Nuno Freitas, Instituto de Ciencias Matemáticas. Title: “On the Darmon Program for the Generalized Fermat equation”

Orador 2 - António Machiavelo, Universidade do Porto. Title: “Some arithmetic problems in non-commutative rings”

Orador 3 - Franco Golfieri Madriaga, Universidade de Aveiro. Title: “Modularity and Diophantine Applications”