UNIVERSITÄT
PASSAU

Fakultät für Informatik und Mathematik

Einladung zum Vortrag

von Herrn Prof. Dr. Tikhomirov (Saint Petersburg State University) zum Thema

Parabolic equations with hysteresis

am Montag, 05.02.2018, um 14:00 Uhr, in Raum (IM) 004

Abstract

We consider the basic hysteron - a non-ideal relay. Here, it is important for us that it has a discontinuous nature. For such systems two different problems are considered - thermocontrol and spatially distributed hysteresis. For the first problem we study the existence of periodic solutions and their stability. For the second problem mechanisms of pattern formation are discussed.