



COLLOQUIUM

ALEJANDRO MAASS

DEPARTAMENTO DE INGENIERÍA MATEMÁTICA Y CENTRO DE MODELAMIENTO MATEMÁTICO (UCHILE-CNRS)
FACULTAD DE CIENCIAS FÍSICAS Y MATEMÁTICAS, UNIVERSIDAD DE CHILE

DYNAMICS AND COMBINATORICS

CONFERENCE ROOM, MARTHA MUSE BUILDING
THURSDAY 19TH OF MAY, 2011 - 18:00 HRS

INVITATION

The Colloquia Committee of the Centro de Estudios Científicos has the pleasure to invite you to a colloquium to be held on Thursday 19th of May, 2011, at 18:00 hrs in the Conference Room at the Martha Muse Building (former Hotel Schuster). CECs' colloquia constitute presentations from highly noted specialists on each of the three main research areas at CECs (biology, physics, and glaciology) which are presented in an accessible language for the whole scientific world.

SPEAKER: ALEJANDRO MAASS

Departamento de Ingeniería Matemática y Centro de Modelamiento Matemático (U. Chile – CNRS), Facultad de Ciencias Físicas y Matemáticas, Universidad de Chile

DYNAMICS AND COMBINATORICS

Summary

In this colloquium we will visit some relevant combinatorial problems of the 20th century. The solution to these problems has forced to produce new ideas and to develop completely new points of view using concepts of dynamical systems theory (that is, the study of orbits of points under the action of a map). Some of these ideas are opening solutions to wide standing open problems (almost one century after their formulation). In particular, we will speak about Szemerédi's problem.

CECs Colloquia Committee

Felipe Barros – Cristián Martínez – Andrés Rivera