

ULTRAMETRIC DYNAMICAL DAYS

January 21 – February 1, 2008
Facultad de Matemáticas, PUC
Santiago, Chile

First Announcement

Description. Building a firm bridge between the relatively new theory of non-archimedean dynamics and the well-established area of complex dynamics, is currently a very active area of research. The interactions between these two fields are particularly striking when dealing with the geometry of parameter spaces of rational or polynomial maps. This meeting is intended to introduce researchers and graduate students to this problematic.

There will be three mini-courses dealing with the necessary basis of moduli spaces, non-archimedean dynamics and compactification problems. We expect to gather a group of 20 to 30 researchers to create a working atmosphere in order to facilitate scientific interactions: beside the mini-courses, scheduled talks, informal seminars, and problem sessions will be organized.

Minicourses.

Antoine DUCROS – U. de Nice: *Introduction to Berkovich spaces*

Jean-Pierre OTAL – CNRS / U. Paul Sabatier: *Compactification of spaces of representations (after Morgan-Shalen)*

Nicolas RESSAYRE – U. Montpellier 2: *Geometric invariant theory: constructing the moduli space of polynomials (after Silverman)*

Registration and funding. Limited funds are available to cover travel and/or living expenses. To apply for financial support please fill the registration form in <http://dynamicalsystems.cl/conferences/ultrametricdays2008/webcontent.8.html> **before November 3th** for travel, and **before December 8th** for living expenses.

Organizing Committee.

Charles FAVRE – CNRS / IMJ, France

Jan KIWI – PUC, Chile

Juan RIVERA-LETELIER – UCN, Chile

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Sponsors.

Research Network on Low Dimensional Dynamics, PBCT/CONICYT, Chile

ANR: espaces de Berkovich, France