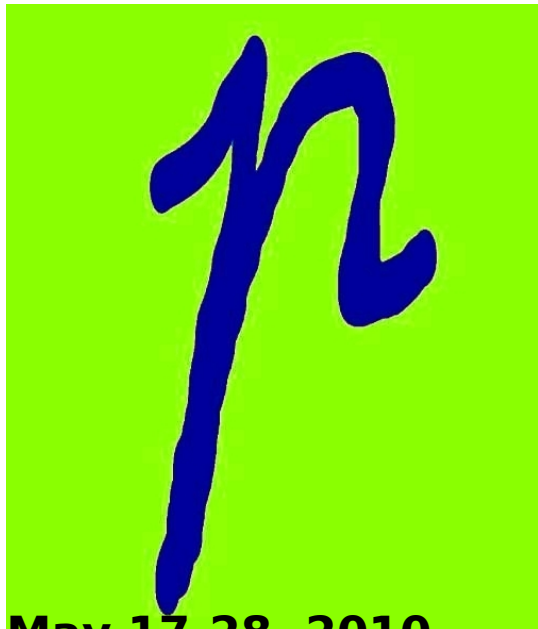


2010 Program for Women and Mathematics

Monday, May 17, 2010 - 09:00 - Friday, May 28, 2010 - 12:00

p-adic Langlands Program



May 17-28, 2010

The program will provide an introduction to the p-adic Langlands program.

The program is being organized by Sun-Yung Alice Chang, Princeton University; Ingrid Daubechies, Princeton University; Antonella Grassi, University of Pennsylvania; Tanya Khovanova, MIT; Chuu-Lian Terng, University of California, Irvine; and Karen Uhlenbeck, The University of Texas at Austin.

The lecturers of the program are Elena Mantovan of Caltech Pasadena and Rachel Ollivier of Versailles University for the Beginning Lecture Course, Ariane Mezard of Versailles University and Marie-France Vigneras of Paris VII University for the Advanced Lecture Course.

The main theme of this year's Women and Mathematics program is "p-adic Langlands program" - relating the p-adic representations of Galois groups with those of linear groups to solve problems in number theory. In the beginning course the basic notions of p-analysis, of Galois groups and of representations of finite groups will be introduced. The advanced course will concentrate on studying the p-adic representations of p-adic Galois or linear groups. There will also be review sessions, plenty of research seminars and two colloquium talks.

2010 Program for Women and Mathematics

Women and Mathematics is a joint program of the Institute for Advanced Study and Princeton University.

terms:

- [special program](#)