

Finland-Japan Joint Seminar on Analysis

Period: December 12 (Tuesday) – December 14 (Thursday), 2006

Venu: Hiroshima University, Higashi-Hiroshima, JAPAN

Program

December 12 (Tuesday), Reception Hall in Faculty Club

09:15 – 10:00 Olli Martio (University of Helsinki)

Boundary behavior of quasiminimizers at irregular points in the borderline case

10:15 – 11:00 Hiroshige Shiga (Tokyo Institute of Technology)

Denjoy-Wolff theorem on Riemann surfaces

11:15 – 12:00 Kentaro Hirata (Hokkaido University)

On the boundary growth of superharmonic functions satisfying nonlinear inequalities

13:15 – 14:00 Noriaki Suzuki (Nagoya University)

On parabolic Bergman spaces (joint work with Masaharu Nishio)

14:15 – 15:00 Yoshihiro Mizuta (Hiroshima University)

Sobolev's inequalities for Riesz potentials of functions in non-doubling Morrey spaces

15:15 – 16:00 Juha Kinnunen (University of Oulu)

Doubling measures, Poincaré inequalities and Harnack type estimates for parabolic equations

16:15 – 17:00 Peter Hästö (University of Oulu)

Function spaces of variable smoothness and differentiability

17:15 – 18:00 Takayori Ono (Fukuyama University)

Global integrability of gradients of solutions to quasilinear elliptic equations with general structure

18:30– Reception at the restaurant "Hanasho"

December 13 (Wednesday), Reception Hall in Faculty Club

09:15 – 10:00 Ken-ichi Sakan (Osaka City University)

On bi-Lipschitz type inequalities for quasiconformal harmonic mappings (joint work with Dariusz Partyka)

10:15 – 11:00 Matti Vuorinen (University of Turku)

Generalized convexity and inequalities

11:15 – 12:00 Toshiyuki Sugawa (Hiroshima University)

Hausdorff moment problem and geometric function theory

- 13:15 – 14:00** Henri Lindén (University of Helsinki)
Metrics in geometric function theory: branches of generalization
- 14:15 – 15:00** Riku Klen (University of Turku)
Quasihyperbolic disks with small radii
- 15:15 – 16:00** Tero Kilpeläinen (University of Jyväskylä)
Growth estimates for solutions to equations involving p -Laplacian and measures
- 16:15 – 17:00** Fumi-Yuki Maeda (Hiroshima University)
 $p(x)$ -harmonic functions with isolated singularities
- 17:15 – 18:00** Ilkka Holopainen (University of Helsinki)
 p -harmonic functions on negatively curved spaces

December 14 (Thursday), B707, Faculty of Science

- 09:15 – 10:00** Masaharu Nishio (Osaka City University)
Caloric morphism on manifolds (joint work with Katsunori Shimomura)
- 10:15 – 11:00** Ikuko Miyamoto and Hidenobu Yoshida (Chiba University)
On a covering property of a -minimally thin set at infinity in a cone
- 11:15 – 12:00** Nobuhiko Fujii (Tokai University)
Calderón-Zygmund decomposition and L^p estimates for Calderón-Zygmund operators
- 13:15 – 14:00** Zhong, Xiao (University of Jyväskylä)
A lemma on the higher integrability of functions and its applications

The above program is subject to change. The latest information can be found at the following site:
<http://www.cajpn.org/complex/conf06/FJ2006.html>

Organizers:

- O. Martio (Univ. Helsinki)
- Y. Mizuta (Hiroshima Univ.)
- T. Sugawa (Hiroshima Univ.)