



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

A MINI WORKSHOP ON EFFECTIVE FIELD AND GRAVITY THEORIES

June 4-5, 2007

Monday, June 4

- 09:10-10:00 *Gerald V. Dunne, U. of Connecticut*
Functional Determinants in Quantum Field Theory
- 10:00-10:50 *Bayram Tekin, METU*
Gribov Copies of Calorons
- 10:50-11:10 *Coffee Break*
- 11:10-12:00 *Mahmut Hortaçsu, ITU*
Applications of Heun Functions in Physics
- 12:00-14:00 *Lunch*
- 14:00-14:50 *Tekin Dereli, Koç U.*
Exact Solutions of 5-dimensional Axi-dilaton Gravity with
Euler-Poincaré Term
- 14:50-15:40 *Alikram Aliev, Feza Gürsey Institute*
Gyromagnetic Ratios of Einstein-Maxwell Fields with
Asymptotically Non-flat Structure
- 15:40-16:00 *Coffee Break*
- 16:00-16:50 *Metin Arık, Boğaziçi U. & Feza Gürsey Institute*
Ghost Brans-Dicke Fields in General Relativity

Tuesday, June 5

- 09:10-10:00 *Levent Akant, Feza Gürsey Institute*
Non-anomalous Ward Identities to Supplement Large N Loop
Equations for Matrix Models
- 10:00-10:50 *Ali Kaya, Boğaziçi U. & Feza Gürsey Institute*
S-duality in String Gas Cosmology
- 10:50-11:10 *Coffee Break*
- 11:10-12:00 *Nihat Sadık Değer, Boğaziçi U. & Feza Gürsey Institute*
Intersections of S-branes with P-branes

Organizers: Nihat Sadık Değer, Bayram Tekin

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