

Four Dimensional Topology

January 26 – January 28, 2009
Hiroshima University

Program

January 26 (Mon)

14:00–14:40 Osamu Saeki (Kyushu University)

Singular fibers of differentiable maps and 4-dimensional cobordism group

14:50–15:30 Hirofumi Sasahira (Tokyo Institute of Technology)

Floer homology for 2-torsion instanton invariants

16:00–16:40 Yusuke Kuno (University of Tokyo)

The Meyer functions for projective varieties

16:50–17:30 Jean-Baptiste Meilhan (Grenoble University)

Johnson homomorphisms, Ptolemy groupoid, and links in $S \times I$

17:40–18:10 Hiroshi Yokota (Toshiba I. S. Corporation)

Maxima and topology

January 27 (Tue)

9:00–9:40 Shin Satoh (Kobe University)

Every non-trivial 2-knot needs four sheets

9:50–10:30 Kanako Oshiro (Hiroshima University)

Symmetric quandles and triple point numbers of non-orientable surface-links

10:50–11:30 Masatoshi Sato (University of Tokyo)

A local signature for fibrations with a finite group action

11:40–12:20 Shinichiroh Matsuo (University of Tokyo)

On instanton approximation of ASD connections

14:00–14:40 Kouichi Yasui (Osaka University)

Corks, plugs and exotic 4-manifolds (joint work with Selman Akbulut (MSU))

14:50–15:30 Toshifumi Tanaka (OCAMI, Osaka City University)

Smooth structures on Casson handles

16:00–16:40 Boldizsár Kalmár (Kyushu University)

Singular maps and topology of manifolds

16:50–17:30 Takao Matumoto (Hiroshima University)

The smooth unknotting conjecture in dimension four

January 28 (Wed)

9:00–9:40 Kazuhiko Kiyono (University of Tokyo)

Nonsmoothable group actions on spin 4-manifolds

9:50–10:30 Nobuhiro Nakamura (University of Tokyo)

Nonsmoothable involutions on $K3$ and $K3\#K3$

10:50–11:30 Ayumu Inoue (Tokyo Institute of Technology)

A natural ch-diagram of the n -twist-spun trefoil knot

11:40–12:20 Akiko Shima (Tokai University)

On charts with three crossings (joint work with Teruo Nagase (Tokai University))

Organizers:

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