

Workshop of Fledglings on Low-dimensional Topology

A mini-workshop "Workshop of Fledglings on Low-dimensional Topology" will be held as a part of the 21st century COE program "Constitution of wide-angle mathematical basis focused on knots" (Akio Kawauchi, the project reader).

DATE: January 30 – February 2, 2004.

LOCATION: Osaka City University, Faculty of Science Building, room 3040.

Program

January 30

13:00—16:15 Teruhisa Kadokami (OCAMI, Osaka City University)
How to use the Reidemeister torsion

16:30—17:30 Nafaa Chbili (Tokyo Institute of Technology)
Invariants of freely periodic knots
(under the joint auspices of OCAMI, room 3153)

17:45— Teruhisa Kadokami (OCAMI, Osaka City University)
How to use the Reidemeister torsion

January 31

10:00—10:30 Kazuhiro Ichihara (Nara Women's University, JSPS Research Fellow)
Pseudo-Anosov braids on the 2-sphere

10:45—11:15 Naoko Tamura (Tokyo Metropolitan University)
On the A -polynomial of a knot

11:30—12:00 Ryosuke Yamamoto (Osaka University)
Legendrian curves on fiber surfaces

13:30—18:00 Tetsuhiro Moriyama (University of Tokyo, JSPS Research Fellow)
On the configuration space of points and the Casson invariant

18:30— Party

February 1

- 10:00—10:30 Yukihiro Tsutsumi (Keio University, JSPS Research Fellow)
A surgery description of homology solid tori
and its applications to the Casson invariant
- 10:45—11:15 Norihisa Teshigawara (Tokyo Institute of Technology)
On the Khovanov invariant for links
- 11:30—12:00 Eri Hatakenaka (Tokyo Institute of Technology)
Invariants of 3-manifolds formulated on their presentations
given by 3-fold branched covering spaces over the 3-sphere
- 13:30—18:00 Takahito Kuriya (Kyushu University)
TBA

February 2

- 10:00—10:30 Kokoro Tanaka (University of Tokyo)
Braid indices of surface-knots and colorings by quandles
- 10:45—11:15 Isao Hasegawa (University of Tokyo)
Monodromies on a punctured disk
- 11:30—12:00 Takashi Makino (Kobe University)
Delta-unlinking numbers and the Conway polynomials of knots
- 13:30—17:30 Ryo Nikkuni (Waseda University, JSPS Research Fellow)
Delta link-homotopy on spatial graphs

Organizers: Kazuhiro Ichihara (Nara Women's University, JSPS Research Fellow)
Takuji Nakamura (OCAMI, Osaka City University)
Ryo Nikkuni (Waseda University, JSPS Research Fellow)

fledgling 1. A young bird that has recently acquired its flight feathers. 2. A young or inexperienced person.