

International Workshop on Knots and Links in a Spatial Graph

July 20-28, 2004, Waseda University, Tokyo, JAPAN

Organizers:

Erica Flapan (Pomona College) , Joel Foisy (SUNY Potsdam),
Ryo Nikkuni (Waseda University) , Makoto Ozawa (Komazawa University),
Kouki Taniyama (Waseda University) , Tatsuya Tsukamoto (Waseda University)

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JSPS Grant-in-Aid for Scientific Research, represented by
Prof. Toshitake Kohno (Tokyo University), and
Prof. Makoto Sakuma (Osaka University).

Place:

Waseda University, Nishi-waseda Campus, Building No 14, Room 503

Workshop web page:

<http://www.f.waseda.jp/taniyama/workshop/Spatial-Graph.html>

Program:

July 20 (Tue) Arrival and registration (no workshop)

July 21 (Wed)

- 10:00-10:40 Blake Mellor (Loyola Marymount University)
An overview of Robertson-Seymour-Thomas I
- 10:55-11:35 Blake Mellor (Loyola Marymount University)
An overview of Robertson-Seymour-Thomas II
- 11:50-12:30 Don Lawrence (Occidental College)
Bohme's lemma
- 12:40-14:10 Lunch
- 14:10-14:50 Ramin Naimi (Occidental College)
Panelled embeddings and fundamental groups, via the Scharlemann-Thompson
Theorem
- 15:10-18:00 Working in groups
- 18:30- Reception party

July 22 (Thu)

- 10:00-10:40 Timothy D. Comar (Benedictine University)
Frame constructions, constructions for flat graphs, and the irreducibility of
Sachs graphs
- 10:55-11:35 Makoto Ozawa (Komazawa University)
Primitive spatial graphs and graph minors (joint work with Yukihiro Tsut-
sumi (Sophia University))
- 11:50-12:30 Joel Foisy (SUNY Potsdam)
A survey of recent result on intrinsically knotted and linked graphs
- 12:40-14:10 Lunch
- 14:10-18:00 Working in groups

July 23 (Fri)

- 10:00-10:40 Erica Leigh Flapan (Pomona College)
Intrinsic knotting and linking of complete graphs
- 10:55-11:35 Hugh Nelson Howards (Wake Forest University)
Knotted graphs in balls
- 11:50-12:30 Kouki Taniyama (Waseda University)
Higher dimensional links in a simplicial complex embedded in a Euclidean space
- 12:40-14:10 Lunch
- 14:10-18:00 Working in groups

July 24 (Sat) Excursion (no workshop)

July 25 (Sun)

- 10:00-10:40 Hiromasa Moriuchi (Osaka City University)
An enumeration of theta-curves and handcuff graphs
- 10:55-11:35 Yukihiro Tsutsumi (Sophia University)
Strong n -triviality of spatial graphs
- 11:50-12:30 Ryo Nikkuni (Waseda University)
A survey on the regular projection of spatial graphs I
- 12:40-14:10 Lunch
- 14:10-14:50 Ryo Nikkuni (Waseda University)
A survey on the regular projection of spatial graphs II
- 15:10-18:00 Working in groups

July 26 (Mon)

- 10:00-10:40 Thomas R. Fleming (U C San Diego)
Intrinsically linked graphs with Novel properties
- 10:55-11:35 Chbili Nafaa (Tokyo Institute of Technology)
The Yamada skein modules and symmetry of spatial graphs
- 11:50-12:30 Miyuki Okamoto (Nippon Institute of Technology)
On the complete list of T -minimal graphs up to 9 vertices (joint work with Kazuaki Kobayashi (Tokyo Woman's Christian University))
- 12:40-14:10 Lunch
- 14:10-18:00 Working in groups

July 27 (Tue)

- 10:00-10:40 Reiko Shinjo (Waseda University)
Bounding disks to a spatial graph
- 10:55-11:35 Ryo Nikkuni (Waseda University)
Invariants and local moves on spatial graphs I
- 11:50-12:30 Ryo Nikkuni (Waseda University)
Invariants and local moves on spatial graphs II
- 12:40-14:10 Lunch
- 14:10-18:00 Working in groups
- 18:30- Banquet

July 28 (Wed) Departure (no workshop)