

Program

Monday 27 August

(Every talk is expected to be of 15 minute length.)

9:45–10:00 **Opening**

10:00–11:20 **Chairperson: Sang Youl Lee**

In Dae Jong (Osaka City University, D1) Alexander polynomials of alternating knots of genus two

Seungick Lee (Pusan National University, D2) A note on the trapezoidal conjecture

Tetsuya Abe (Osaka City University, D1) An estimation of the alternation number of a torus knot

Hye Sook Lee (Kyungpook National University, D4) Virtual adequate links

11:20–12:40 **Chairperson: Chan-Young Park**

Soo-Jin Hong (Kyungpook National University, M1) On the genus distribution for the embedding of symmetric links

Hee Jeong Jang (Pusan National University, D3) The Casson knot invariants of periodic knots with rational quotients

Hokuto Isoda (Osaka City University, D2) 4-manifolds as double branched coverings of the 4-sphere

Kyeonghui Lee (Pusan National University, D2) On certain numerical invariants of checkerboard colorable virtual links

12:40–14:00 **Lunch**

14:00–15:20 **Chairperson: Donghi Lee**

Changdo Jung (Kyungpook National University, D1) Local 1st order polynomial regression method for fast surface fitting

Kenichi Masui (Osaka City University, D3) Denjoy system and its adic model

Eun-Jung Moon (Kyungpook National University, M2) Some variants of a theorem of Mahler

Joon Oh Kim (Pusan National University, D1) The Miyazawa polynomial of periodic virtual links

15:20–16:40 Chairperson: Akio Kawauchi

Kengo Kishimoto (Osaka City University, D1) On a closed braid sublink

Eun Ju Lee (Pusan National University, D1) The Jones polynomial of periodic links with rational quotients

Yuki Takahashi (Kobe University, D2) A remark on trivial surfaces in 3-space

Sowon Kim (Kyungpook National University, M2) Jones polynomial of a symmetric link whose base is a rational link

Tuesday 28 August

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10:00–11:20 Chairperson: Taizo Kanenobu

Kenji Aragane (Osaka City University, D1) Link homology via colored planar graphs

In Sook Lee (Kyungpook National University, M2) Seifert matrices of symmetric links

Yeonhee Jang (Osaka University, M2) On genus two Heegaard splittings of some 3-manifolds

Mi Hwa Shin (Pusan National University, M1) A virtualized skein relation for the Jones polynomials and applications

11:20–12:40 Chairperson: Young Ho Im

Eunkyung Ahn (Kyungpook National University, D1) Metric projections on the positive definite convex cone

Takehisa Tsujii (Osaka City University, D2) The Bala-Carter theorem in good characteristic

Chang Ik Lee (Pusan National University, D4) On strongly NI rings

Takefumi Miyoshi (Osaka City University, D3) Differentiable stacks and Lie groupoids

12:40–14:00 Lunch

14:00–15:20 Chairperson: Yoshihiro Ohnita

Katsuhiko Hashimoto (Osaka City University, D3) Collars of hyperbolic two-dimensional cone-manifolds

Maeng Sang Park (Pusan National University, D1) The Seifert matrices of periodic links with rational quotients

Kaname Hashimoto (Osaka City University, M2) Calabi-Yau metrics on the tangent bundles of spheres

Hosoo Lee (Kyungpook National University, D2) Solving non-linear matrix equations via symmetric space machinery

15:20–16:40 Chairperson: Yoichi Imayoshi

Toshihiro Nogi (Osaka City University, D3) The number of holomorphic sections of a holomorphic family of Riemann surfaces induced by a certain Kodaira surface

Kijung Kim (Pusan National University, D4) Equitable partitions of flat association schemes

Junpyo Park (Kyungpook National University, D1) Introducing contact network in epidemic models

Takahiro Okuyama (Osaka City University, D3) Biholomorphic equivalence of certain closed Riemann surfaces of genus two

16:40–17:50 Chairperson: Akio Kawauchi

Daewook Kim (Pusan National University, D2) Stabilization of the semilinear wave equation with a nonlinear internal dissipative term

Naoki Hamamoto (Osaka City University, D3) Solutions of Einstein's field equations under the Kerr-Schild ansatz

Inseok Yang (Kyungpook National University, D2) Parameters estimation of an actuator using performance index

Reiji Yoshioka (Osaka City University, D3) Partition functions of reduced matrix models with classical gauge groups

18:00–20:00 Reception