

Liouville Gravity And Statistical Models

International conference in memory of
Alexei Zamolodchikov

June 21, Saturday

10:00–11:00 Registration, coffee

11:00–11:10 Opening

11:10–12:00 Chaiho Rim,

*Sinh-Gordon Boundary TBA and Boundary Liouville Reflection
Amplitude*

12:00–12:50 Vladimir Kazakov,

*Proof of Bazhanov-Reshetikhin determinant formula and Zamolodchikov's
Y-system for supersymmetric spin chains*

13:00–14:30 Lunch

14:30–15:20 Feodor Smirnov,

Hidden fermionic structure in XXZ model

15:20–16:10 Lev Lipatov,

BFKL Pomeron and integrability in $N=4$ SUSY

16:10–16:30 Coffee break

16:30–17:15 Mikhail Polikarpov,

Entanglement entropy for fields and strings on the lattice

17:15–18:00 Noboru Kawamoto,

Twisted Lattice SUSY on a Lattice

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June 22, Sunday

- 10:00–10:50 Tohru Eguchi,
 $N=2$ Liouville Theory
- 10:50–11:20 Coffee break
- 11:20–12:10 Tetsuji Miwa,
Constructing fermions acting on the space of operators for XXZ model
- 12:10–13:00 Giuseppe Mussardo,
Non-integrable field theories and confinement of the kinks
- 13:00–14:30 Lunch
- 14:30–15:30 Tom Banks,
Holography, Supersymmetry and de Sitter Space
- 15:30–16:10 Patrick Dorey,
Differential equations and integrability
- 16:10–16:30 Coffee break
- 16:30–17:10 Daniel Friedan,
Supersymmetric 1+1d boundary field theory
- 17:10–18:00 Philippe Di Francesco,
Integrable combinatorics: from qKZ to ASM and TSSCPP
- 18:00–18:40 Irina Aref'eva,
CFT and analytic solutions to cubic superstring field theory
- 19:00– Banquet

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June 23, Monday

- 10:00–10:50 Vladimir Bazhanov,
Quantum Geometry of 3-dimensional lattices
- 10:50–11:20 Coffee break
- 11:20–12:10 Ryu Sasaki,
Exactly solvable Quantum Mechanics and dynamical symmetry algebras
- 12:10–13:00 Nikolai Iorgov,
Form-factors in the Baxter-Bazhanov-Stroganov model
- 13:00–14:30 Lunch
- 14:30–15:20 Alexander Zamolodchikov (with A. Belavin),
On the correlation numbers in minimal gravity and matrix models
- 15:20–16:10 Leonid Chekhov,
Teichmueller spaces of orbifold Riemann surfaces
- 16:10–16:30 Coffee break
- 16:30–17:20 Yukitaka Ishimoto,
The massive perturbation in 2d Liouville gravity and its classical limit
- 17:20–18:10 Kazuo Hosomichi,
Minimal open strings
- 18:10–19:00 Andrei Marshakov,
Two-dimensional gravity and dispersionless integrable hierarchies

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June 24, Tuesday

10:00–10:50 Ed Corrigan,

Some aspects of integrable shocks

10:50–11:40 Sergei Lukyanov,

Integrable "perturbations" of the hairpin

11:40–11:50 Coffee break

11:50–12:40 Ivan Kostov,

Boundary flows in 2D quantum gravity

12:40–13:30 Francois David,

RNA folding problems: an example of planar random geometry

13:30–15:00 Lunch

15:00–15:50 Alexander Gorsky,

Amplitudes in $N=4$ SYM theory from the quantum geometry of the momentum space

15:50–16:40 Yaroslav Pugai, (with V. Fateev)

Scaling fields in perturbed $Z(N)$ PF CFT