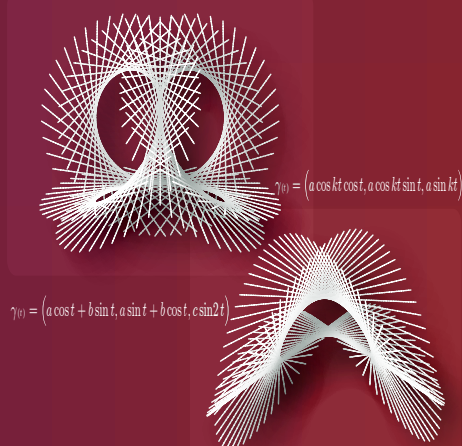


Banach Center Symposium

Geometric Singularity Theory

7th Polish-Japanese Singularity Theory Working Days

13-19 JULY 2009
KAZIMIERZ DOLNY, POLAND



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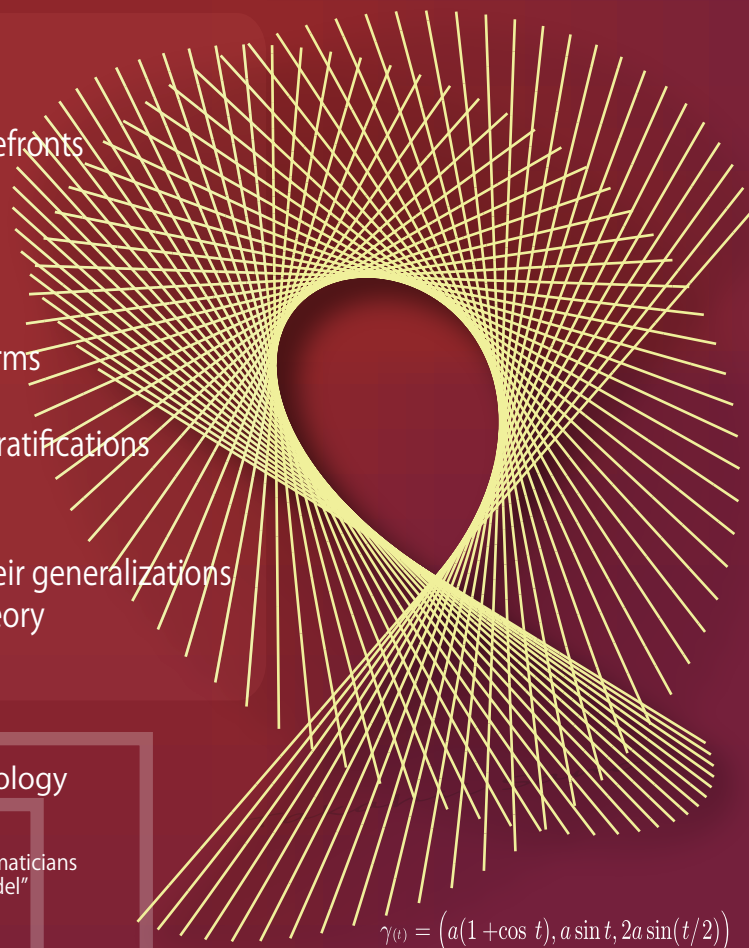
T. Fukuda (Tokyo), G. Ishikawa (Sapporo), S. Izumiya (Sapporo),
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C. Romero Fuster (Valencia), M. Soares Ruas (Sao Carlos),
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Local Organizers :

M. Cukrowski (Warsaw), Z. Trebska (Warsaw), M. Zajac (Warsaw)

Proposed research topics include :

- Lagrangian and Legendrian singularities
- Asymptotic behaviour around caustics and wavefronts
- Symplectic singularities, local invariants
- Singular symplectic, contact and Poisson spaces
- Systems of rays, optical caustics
- Bifurcations of caustics and wavefronts
- Singularities of smooth maps and differential forms
- Motivic integration
- Subanalytic and semialgebraic sets - Lipschitz stratifications
- Lagrangian cobordism invariants
- Blow analytic equivalence
- Singular reduction, Hamiltonian systems and their generalizations
- Applications to physical systems and control theory
- Differential geometry and singularities



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ITP-JSPS "The international sending-elevating project for young mathematicians
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