

帰国報告書 (ITP Research Report)

Research Report of JSPS-ITP

(The international sending-elevating project for young mathematicians based on singularity, topology and mathematical analysis: Hokudai model)

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Period of ITP-Stay: 9/7/2009-21/7/2009

Research Report:

I participated in Banach Center Symposium “Geometric Singularity theory” Polish-Japanese Singularity Theory Working Days in Kazimierz Dolny, Poland and “School on Generic Singularities in Geometry” in Warsaw. I made a ten-minute presentation in Warsaw titled “Darboux's method for hyperbolic PDE.” It explained Darboux's method for hyperbolic partial differential equation with a simple example, which I study recently and adopt as one of my Master's thesis.

For the first time, I attended a conference abroad and gave a talk in English. It was harder to prepare for a talk in English than I thought. I was able to talk without being too nervous at my presentation. But I feel sorry that I wasn't able to answer a question about a case in which hyperbolic PDE is Darboux integrable. I think that I obtained a better understanding of Darboux integrability and some germinations of the research through participation in this workshop.

I visited Europe for the first time and was impressed by the difference in culture: tradition, people, building, food, etc. Especially, Zurek, which is a traditional soup in Poland, was so delicious. Everything I saw and heard was a fresh experience and everyday was both exciting and educational.

Finally, I would like to appreciate ITP for giving me an opportunity to have experience like this.