Division of Mathematical and Physical Sciences	Research field	Geometry	Lab. ID
			MP02

Laboratory web site	

Research subjects

Geometry is one of the oldest branches of mathematics. It is concerned with properties of space (for example,. shape, topology, etc.). It is useful in many branches of mathematics, including algebra and analysis; as well as in physics and also in information science and enginerring fields. Main research fields in our laboratory are Geometric analysis, Topology, Quaternionic geometry, and Complex geometry.

Master/Doctor course: Education policy, curriculum, typical activity in the laboratory

Master course: The first year students learn about geometry from standard books. Once they learned enough about geometry, which may take more than a year, the students choose their research field. Reading research papers related to the field, they do their own research and write their master's theses.

Doctor course: For a Doctor course students, their researches start with expanding their master's theses. Getting latest research results, they prepare their Ph. D. theses. As for foreign students, all activities or correspondences in laboratory are done in English.

Daily life in the laboratory, etc.

In mathematics course, personal working desk and space is available for every student. Also the PC and printer can be used for students in the laboratory room. The students have seminar once a week in general. The rest of the time in the week they study their own research subject by themselves and prepare the next seminar. Some students do their study in the laboratory room, some do in the library and some do in their home.

Message or comments by the laboratory faculty staffs

Studying mathematics is a hard work. Spending much time for understanding mathematics does not guarantee that you can understand mathematics: for example, even if you spent all the day to understand a theorem, it does not guarantee that you can understand it at the end of the day. But, this difficulty for understanding mathematics gives you a delightful time for understanding mathematics. We hope that the students get this wonderful experience.

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