Division of Mathematical and Physical Sciences	Research field	Applied Computational Mathematics	Lab. ID MP16
Laboratory web site	http://polaris.s.kanazawa-u.ac.jp/csc/en/appmath_teachers.html		

Research subjects

The goal of the research in our group is to apply mathematics and programming to solve various real-world problems. The specialization of our group ranges from mathematical analysis of mathematical models for problems from physics, engineering, and mathematical data science to the development, analysis, and implementation of efficient and powerful numerical algorithms and methods. The mathematical tools used in our research are mostly related to partial differential equations, numerical analysis, functional analysis, etc.

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

Master course: Students take several classes/seminars that help them deepen their knowledge of various aspects of computational mathematics. During the second year, they find a suitable research topic for their Master's thesis with the help of their supervisor. Doctoral course: Besides attending seminars, the students work on their research topic selected by themselves. They publish their findings in a recognized journal. Most of the curriculum is available in English to be accessible to international students.

Daily life in the laboratory, etc.

Every student has access to a personal working desk and a desktop computer. The students are encouraged to participate in informal discussions with other students and faculty. We strive to create a friendly atmosphere. Many students come from other universities and foreign countries, giving students different perspectives on various topics.

Message or comments by the laboratory faculty staffs

Computational mathematics has shown its potential in many industries. Indeed, it will continue to grow in importance in the coming years. The graduates from the Master's program can, therefore, find employment as teachers, researchers, and experts in technological companies and research laboratories. Students who pursue the Doctoral degree will receive advanced knowledge that will give them a solid foundation to become university lecturers or specialized researchers in this field.

Laboratory mail address	
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