Division of Mathematical and Physical Sciences	Research field	Condensed matter theory and chemical physics	Lab. ID MP22
Laboratory web site	http://cmt.w3.kanazawa-u.ac.jp		

Research subjects

Microscopic properties of condensed matter ranging from superfluids to hydrated proteins are studied with extensive use of statistical mechanics, quantum mechanics and advanced molecular simulation techniques.

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

We regularly have a group meeting every week. In the meeting, the speaker presents his latest research resutls and extensively discusses the scientific relevance of his results with all the group members. Also, an introductory seminar on molecular simulations, molecular dynamics and Monte Carlo methods, is scheduled for new comers.

Daily life in the laboratory, etc.

Personal working desk with a personal computer is available for every student. Also, the workstations can be used for extensive numerical simulations. Laboratory activities include welcome party for new comers, excursion, BBQ, etc.

Message or comments by the laboratory faculty staffs

The method of molecular simulations are powerful theoretical tools to investigate the properties of many-body systems. The methods are versatile, and applications ranging from atoms to Galaxy. Let's join our research group to discover the frontier of the molecular simulations.

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