Division of Mathematical and Physical	Research	Analysis	Lab. ID
Sciences	field	Andiyala	MP03
Laboratory web site			
Research subjects			
Differential equations are mathematical formulas that describe the relation between varying quantities, and they			
have their origins when Isaac Newton related momentum changes with forces. Nowadays, differential equations			
describe concepts in mathematics, such as geometric properties of figures, as well as various natural phenomena,			
such as physical laws, chemical reactions, and biological phenomena. The scope of research is vast, and in addition			
to developing general theories applicable to many equations, many researchers are exploring individual equations			
nhenomena, differential equations on the complex domain in particular. Painleyé equations, and asymptotic			
behavior of solutions and Stokes phenomena in singular points and singular perturbation problems for differential			
equations			
Master/Doctor course: Education poli	cy curriculum	typical activity in the laboratory	
In the "Analysis" research group, the faculty members pursue their research according to their own interests while			
stimulating each other. Therefore, students are guided by one faculty member as a principal advisor. To broaden			
your vision, you are encouraged to participate in seminars of other staff members and attend the "Kanazawa			
Analysis Seminar" "Differential Equations and Data Science Seminar" co-organized by our group, the Applied			
Computational Mathematics group, and Mathematical Modeling and Analysis group. In the first year of the master			
course, you read standard textbooks in your research fields and give presentations at weekly seminars. In the			
second year, you decide on a research topic and start your research under the direction of your advisor. The			
doctor course students pursue their research, and when they have achieved a certain level of results, they publish			
scientific papers.			
Daily life in the laboratory, etc.			
Graduate students are assigned a graduate student room, with one room for at most every six students. Personal			
working desks and lockers are equipped in each room. A printer (wireless monochrome laser multifunction machine)			
is also available in the room. Students of the same adviser are generally assigned to the same room, but sometimes			
they share a room with students from other fields. You can use your office and equipment there at any time. You			
may have to prepare your presentation for the seminar until late at night there, but we are sure that your			
classmate, especially those in the same room, will give you good support.			
Message or comments by the laboratory faculty staffs			
Studying mathematics and doing research in mathematics is not an easy task. The same is true for faculty			
members. However, by noticing just a few things, you may feel that your chaotic thoughts have cleared up. You			
may discover just a few of them. We hope to share your discovery in the seminar after you have thought it out. We			
are sure that such an experience will be helpful in many occupations. Our graduates are working as teachers at			
high schools, office workers, researchers, etc. We hope you consider thoroughly and flexibly, as you did in studying			
mathematics, how you can contribute	to society.		
Laboratory mail address	Hiroshi Ohte	uka ≺ohtsuka *at* se kanazawa−u ac in>	
Laboratory mail address	Haiime Nago	va <nagova *at*="" ac="" in="" kanazawa-u="" se=""></nagova>	
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