Division of Electrical, Information and Communication Engineering _aboratory web site Research subjects n this laboratory, numerical modeling pesides studies associated with indust	Research field	Mathematical Investigation	Lab. ID EI26	
Communication Engineering _aboratory web site Research subjects n this laboratory, numerical modeling pesides studies associated with industr	field		EI26	
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n this laboratory, numerical modeling pesides studies associated with indust I. The studies associated with industr				
besides studies associated with indust 1. The studies associated with industr	of physical pl	henomena associated with Industrial problems are	studied, and	
 The studies associated with industriate studies associated with industriate studies. 	besides studies associated with industrial problems, algebraic curves, real plane curves are also investigated.			
	1. The studies associated with industrial problems are, for examples, conductivity of percolation systems, geometry			
of random particle systems, optical or quantum devices in terms of quantum walk, algebraic descriptions of crystal				
Jislocations and so on.	- 11:	. Europhian de marge annound alardemais annound ala	- :	
. The generalization of weierstrass	elliptic sigma	a function to more general algebraic curves are also		
for the degeneration of europe are concerned. If the behaviore are clearly understeed, they can be applied to the				
nor the degeneration of curves are concerned. If the behaviors are clearly understood, they can be applied to the				
crystography				
si yptography.				
Master/Doctor course: Education poli	cy, curriculun	n, typical activity in the laboratory		
Since mathematics associated industry rapidly becomes much more advanced and related to wider fields, master				
course students attend a seminar to study basic mathematics for the applications of mathematics, and, study their				
own subjects after determining their subjects.				
1. You will read a textbook of mathematics and present the content in the seminar, once a week.				
2. The subject is basically one of the subjects listed in the above "Research subjects." After discussion and				
hearing of your requests, it will be determined. There are several computational software programs which you can				
deal with and thus you may revise some of them.				
Doctor course students, first, determine their own subject and approach before starting the studies. The goal of				
the study should be to find a novel result in the field, since there are several crucial mathematical problems related				
o engineering.				
Daily life in the laboratory, etc.				
The research activity in this laborator	y is only to u	se several textbooks, notebooks, pens and a porta	ble personal	
computer, since you will study mather	natics in you	r own brain without heavy computations by means	of high spec	
computer. It means that you can study your own subjects and mathematics at any place any time. It is very easy				
to proceed your own study. Of course, the preparation of the seminar is not so easy. Mathematics is sometimes				
very difficult but exciting. In order that you will have your motivation to study mathematics, we will show examples				
and pictures, in which you can imagine the advanced mathematics in engineering or industry.				
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I have been worked in Canon Inc. for twenty-seven years to study mathematical science related to electric or				
The twenty first century is very exciting and recently, much more advanced mathematics and wider fields of mathematics appear to achieve exciting and recently in industry. Due to the development of AI and RDA, the				
				problem arises what matters should be done by human being besides machines
Mathematics is one of the solutions of the problem. If you get the mathematical skills and leaned the skill to study				
such mathematics as an engineer you could be a keynerson to solve several crucial problems in engineering or				
industry				
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