



TECHNISCHE UNIVERSITÄT
KAISERSLAUTERN

GRADUATE SCHOOL
Mathematics as a Key Technology

Upon successful completion of the course of study

Mathematics

(specialization: Algebraic Geometry and Computer Algebra)

within the programme **Mathematics International**

at the Department of Mathematics at the University of Kaiserslautern, Germany

on the day of August 5, 2005

we hereby confer upon

Mr. Oleksandr Iena

born on 25 June 1982 in Kiev, Ukraine

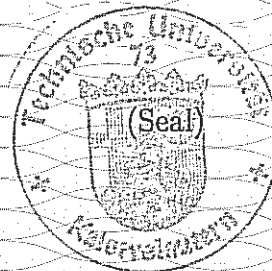
the degree of

Diplom-Mathematiker
(Dipl.-Math.).

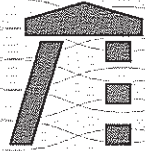
Kaiserslautern, August 5, 2005

Chairman of the Examination Board
of the Department of Mathematics

Dean
of the Department of Mathematics



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ACADEMIC TRANSCRIPT

Mr. Oleksandr Iena,

born on 25 June 1982 in Kiev, Ukraine, has successfully passed the

Diploma

in Mathematics

specialization in

Algebraic Geometry and Computer Algebra

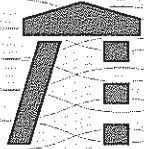
in the study programme

Mathematics International

with aggregate mark very good (1.0).

The following achievements were accomplished:

Subject/Title of Course	Grade	Examiner/ Supervisor	Credits (ECTS)	Semester
Pure Mathematics				
Algebraic Topology	1.0	HD Dr. Lossen	10	WT 03/04
Seminar: Differentialtopologie	none*	PD Dr. Wirthmüller	5	ST 04
Lie-Algebren und Lie-Gruppen	1.0	Prof. Dr. Dempwolf	10	WT 04/05
Result	very good (1.0)		25	
Applied Mathematics				
(Differential) Equations of Mathematical Physics	1.0	Kiew National Taras Schewtschenko Univ.	10	acknowl.
Algebraic Systems Theory	1.0	HDoz. Dr. Zerz	10	ST 04
Result	very good (1.0)		20	
Physics				
Quantenmechanik I	1.0	Prof. Dr. Krüger	10	WT 04/05
Dirac-Theorie	1.3	Prof. Dr. Krüger	10	WT 04/05
Result	very good (1.1)		20	
Mathematical Specialization				
Introduction to Computer Algebra	1.0*	Dr. Frühbis-Krüger	6	WT 03/04



Commutative Algebra	1.0*	Dr. Keilen	6	WT 03/04
Algebraic Geometry	1.0	Prof. Dr. Pfister	12	WT 03/04
Algebraic Geometry II	1.3*	Dr. Frühbis-Krüger	12	ST 04
Computeralgebra	1.0	Dr. Markwig	12	ST 04
Seminar: Vector-Bundles on Curves	none*	Prof. Dr. Trautmann	7	WT 04/05
Result	very good (1.0)		55	

Thesis


"Vector bundles on elliptic curves and factors of automorphy"	1.0	Prof. Dr. Trautmann	30	ST 05
	very good (1.0)		30	
Aggregate mark	very good (1.0)		150	

* These achievements are not considered for the results and the aggregate mark.

Additional Exams: Complex Analysis, Prof. Dr. Trautmann, ST 2004, 1.0, 5 credits.

The accomplished achievements include all achievements required for the final examination for the "Master's Programme" ("M. Sc.") in Mathematics in the Department of Mathematics at the University of Kaiserslautern.

Kaiserslautern, 5 August 2005


(Chairman of the examination board)

WT = Winter Term, ST = Summer Term

Grades:	1.0	to	1.5:	very good
	1.6	to	2.5:	good
	2.6	to	3.5:	satisfactory
	3.6	to	4.0:	sufficient