Realization and Counting Problems for Planar Structures: Trees and Linkages, Polytopes and Polyominoes

Dissertation zur Erlangung des Doktorgrades

vorgelegt am

Fachbereich Mathematik und Informatik der Freien Universität Berlin

2005

von

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gefördert durch die DFG im Rahmen des Europäischen Graduiertenkollegs Combinatorics, Geometry, and Computation (GRK 588/2)

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Termin der Disputation: 15. Februar 2006

Acknowledgments

There are many people who have made this thesis possible. First of all, I would like to thank my advisor, Günter Rote, for these three years of excellent guidance and intensive research. He has always been an unlimited source of new ideas and knowledge. I also thank him for his constant support, as well as for reading this thesis hundreds of times and helping me a lot with the corrections.

It was an honor and a very important experience for me to be a member of the European Graduate Program "Combinatorics, Geometry and Computation". I feel very lucky that I came to Berlin to study my doctoral thesis in the Graduate Program, which has provided me with a competitive and ideal environment. I thank the speaker of the program, Helmut Alt, and everybody who made the program possible.

I would like to thank my colleagues in the work group "Theoretical Computer Science" at the Freie Universität Berlin, where I could daily learn in the nicest atmosphere, and enjoy their mensa and coffee rounds. Special thanks to Maike, for being able to share the office with me, Panos, for sharing joys and shames, Ludmila, for sitting up Patum, Britta, for taking care of me, Claudia, for being pregnant at the same time as me, Andrea, for singing the whole day, and Tamara for her nice help.

Thanks to those colleagues at Universitat Politècnica de Catalunya who encouraged me to enter the program. I also thank Jiří Matoušek, from the Department of Applied Mathematics of Charles University in Praha, and Michael Karónski, from the Department of Discrete Mathematics of the Adam Mickiewicz University in Poznań, for their hospitality during my research visits to their work groups. Special thanks go to Andrzej Ruciński and Tomasz Luczak for their fruitful suggestions on the topic of Chapter 5.

I thank Stefan Felsner for discussions about the bijection between states and Motzkin paths, and Cordula Nimz for pointing out that the decomposition of polyominoes into prime factors by the * operation is not unique, and hence the recursion (7.12) would lead to inconsistent results

Special thanks to my family and friends from Catalunya, who are not few, for their long-distance encouragement and for making me feel as if the time does not go by, with their constant visits to Berlin. And also to Miren, for having so much good time together.

My sweetest thanks to Andreu, who came with me to Berlin, who helped me so much, and who has been always on my side, giving me lots of tenderness, self-confidence and optimism. He has been very patient during my PhD studies, specially during the last months. We are expecting our baby, who will be born in a few days. Li desitjo al futur pare moltíssima felicitat en aquesta nova etapa que estem a punt de començar amb tanta il·lusió.

Al meu bebè, que naixerà d'aquí molt poc i a qui em moro de ganes d'abraçar

Contents

In	Introduction	xiii
G	Generalities 0.1 The Laplacian Matrix and the Stress Matrix	xix xxi xxii
Ι	I Self-Touching Linkages	1
1	1 Preliminaries 1.1 Linkages and Self-Touching Configurations	5
2	2 Unfoldability of Trees 2.1 Introduction	8
3	3 Perturbations of Self-Touching Configurations 3.1 Introduction	
4	4 Liftings of Self-Touching Configurations 4.1 Introduction	37

X CONTENTS

		4.2.1 The Cell Decomposition	37
		4.2.2 The Self-Touching Forces	39
	4.3	From Stressed Self-Touching Configurations to Polyhedra	40
		4.3.1 The vectors \mathbf{q}_i	40
		4.3.2 The Lifting Function	42
		4.3.3 Generalized Polyhedral Terrains	44
		4.3.4 Some Examples of Lifted Self-Touching Configurations	46
		4.3.5 Geometric Interpretation of $\mathbf{q}_L - \mathbf{q}_R$	46
	4.4	The Maxwell-Cremona Correspondence	48
		4.4.1 Characterization of the Kernel \mathcal{K}	52
II to		panning Trees with Applications to the Embedding of Polyon Small Integer Grids	57
5	The	e Maximum Number of Spanning Trees	59
	5.1	Introduction	59
	5.2	Lower Bounds for T	60
		5.2.1 Recursively Constructible Families of Graphs	61
		5.2.2 Enumerating T via Transfer Matrices	64
		5.2.3 The Asymptotic Behavior of $T(G_k)$	67
		5.2.4 Results	69
		5.2.5 Removing Periodic Boundary Conditions to Obtain a Bound for Planar	
		Graphs	71
		5.2.6 Square Grids	76
	5.3	Upper Bounds for T	77
		5.3.1 The Outgoing Edge Approach for Upper Bounding T	78
		5.3.2 Removing Sets of Independent Edges	79
	٠.,	5.3.3 A Probabilistic Model. Suen's Inequality	82
	5.4	Upper Bounds for the Number of Forests	101
6			105
	6.1	Introduction	105
	6.2	A Generalization of the Matrix-Tree Theorem	106
	6.3	Quantitative Analysis of the Size of a Minimal Grid	108
			109
		6.3.2 Realizations of Polytopes	111
Η	I 1	Polyominoes	119
7	Coı	inting Polyominoes on Twisted Cylinders	121
	7.1	Introduction	121
	7.2	The Transfer-Matrix Algorithm	123
		7.2.1 Motzkin Paths	123
		7.2.2 Representation of States	124
	7.3	Counting Polyominoes on a Twisted Cylinder	125

CONTENTS	X

		7.3.1 System of Equations	126		
		7.3.2 Iterating the Equations	129		
		7.3.3 The Growth Rate λ_W	131		
	7.4	Bijection between Signatures and Motzkin Paths	135		
	7.5	Encoding States as Motzkin Paths	137		
		7.5.1 Motzkin Path Generation			
		7.5.2 Motzkin Path Updating			
	7.6	Results			
	7.7	Previous Lower Bounds on Klarner's Constant			
	7.8	Open Questions			
			147 151		
В	Rec	ursively Constructible Family of Graphs	155		
\mathbf{C}	Cert	tification of the Results in Section 7.6	157		
D	D The Maple Program				
Al	Abstract				
Zυ	Zusammenfassung 16'				
Cı	Curriculum Vitae				