



## Variations on Mahler's Measure

Luminy

30 May - 3 June 2005

### Program

Sunday 29	
17h00 - 23h00	Arrival
19h30	Cold meal
Monday 30	
7h00 - 9h00	Breakfast
9h15	Opening
9h30 - 10h20	<u>D. Boyd</u> : The A-polynomials of symmetric knots
	Coffee break
11h00 - 11h50	<u>S. Williams</u> : Mahler measure and twisted links
12h30	Lunch
16h30 - 17h20	<u>A. Champanerkar</u> : On the Mahler measure of Jones polynomials under twisting
	Coffee break
18h00 - 18h50	<u>Y. Nesterenko</u> : On arithmetic properties of theta-constants
19h30	Diner

<b>Tuesday 31</b>	
<b>7h00 - 9h00</b>	Breakfast
<b>9h30 - 10h20</b>	<u>C. Smyth</u> : The Mahler measure of graphs
	Coffee break
<b>11h00 - 11h50</b>	<u>E. Hironaka</u> : Salem-Boyd sequences and surface homeomorphisms
<b>12h30</b>	Lunch
<b>15h30 - 16h20</b>	<u>E. Dobrowolski</u> : Mahler's Measure of Lacunary Polynomials
<b>16h30 - 17h20</b>	<u>M. Mossinghoff</u> : Generalizations of Gonçaves' inequality
	Coffee break
<b>18h00 - 18h50</b>	<u>D. Silver</u> : Lehmer's Question and Surface Dynamics
<b>19h30</b>	Diner
<b>Wednesday 1st</b>	
<b>7h00 - 9h00</b>	Breakfast
<b>9h30 - 10h20</b>	<u>J. Stienstra</u> : Diffraction Patterns
	Coffee break
<b>11h00 - 11h50</b>	<u>P. Moussa</u> : Integer moment problem, and localization of algebraic integers in Julia Sets
<b>12h30</b>	Lunch
<b>Afternoon</b>	Free

19h30	Diner
<b>Thursday 2</b>	
7h00 - 9h00	Breakfast
9h30 - 10h20	<u>F. Rodriguez-Villegas</u> : On the Mahler measure of $x_1 + \dots + x_N$
	Coffee break
11h00 - 11h50	<u>S. Vandervelde</u> : The Mahler Measure of Parametrizable Polynomials
12h30	Lunch
15h30 - 16h20	<u>J. Lewis</u> : Variational regulators: motivic normal functions
16h30 - 17h20	<u>M. Lalin</u> : An algebraic integration for Mahler measure
	Coffee break
18h00 - 18h50	<u>M. Kerr</u> : Higher Chow cycles and Mahler measure
19h30	Bouillabaisse
<b>Friday 3</b>	
7h00 - 9h00	Breakfast
9h30 - 10h20	<u>P. Philippon</u> : Mesure de Mahler et variétés toriques
	Coffee break
11h00 - 11h50	<u>H. Gangl</u> : Producing elements in higher Bloch groups
12h30	Lunch

<b>Afternoon</b>	Free
<b>19h30</b>	Diner
<b>Saturday 4</b>	
<b>7h00 - 9h00</b>	Breakfast
<b>10h00</b>	Departure