

**The Many Aspects of Mahler's
Measure**

**April 26 – May 1
Workshop Schedule**

Saturday, April 26

Arrival day. No talks scheduled.

5:30 – 7:30 pm

Dinner, Donald Cameron Hall, Main Dining Room

After settling in, meet other participants in the lounge, 2nd floor, Corbett Hall.

Please note that all lectures are held in the main lecture hall, Max Bell 159.

Sunday, April 27

7:00—9:00

Breakfast, 2nd floor lounge, Corbett Hall

MORNING FREE

11:30—1:30

LUNCH, DONALD CAMERON HALL, MAIN DINING ROOM

Afternoon Free

5:30-7:30

Dinner, Donald Cameron Hall, Main Dining Room

7:30-8:15: Peter Borwein

8:15-9:00: Thomas Ward

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**The Many Aspects of Mahler's Measure
Workshop Schedule
Monday, April 28**

7:00-9:00: Breakfast, 2nd floor lounge, Corbett Hall

9:30-10:00: Christopher Sinclair, The distribution of Mahler's measures of reciprocal polynomials

10:15-10:45: Matt Baker, Heights in Abelian Extensions

10:45-11:15: Coffee

11:15-11:45: Jorge Pineiro, Mahler measure for dynamical systems on PL_1

11:45-1:30: Lunch, Main Dining Room, Donald Cameron Hall

2:00-2:30: Amnon Besser, Variation of complex and p-adic regulators

2:45-3:15: Jeffery Lagarias, TBA

3:15-3:45: Coffee/Tea with Cake

3:45-4:15: James Lewis, An explicit formula for the Beilinson regulator for higher Chow groups

4:30-5:00: Sam Vandervelde, Computing Mahler measure with a cyclic quadrilateral

5:30-7:30: Dinner, Main Dining Room, Donald Cameron Hall

7:30 *MORE TALKS SCHEDULED*

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TUESDAY, APRIL 29

7:00-9:00

Breakfast, 2nd floor lounge, Corbett Hall

9:00 - 9:30 W. Neumann. The extended Bloch group and the Chern-Simons invariant.

9:40 - 10:10 F. R. Villegas. A new proof that $.16666666\dots = 1/6$.

COFFEE BREAK

10:30 - 11:00 A. Sikora. A-polynomials and the colored Jones polynomial of a knot.

11:10 - 11:40 S. Williams. Knots, Homology and Mahler measure.

11:50 - 12:20 D. Silver. Twisted Links and Lehmer's question.

12:20—1:30

Lunch, Donald Cameron Hall, Main Dining Room

FREE AFTERNOON FOR EXCURSIONS AND/OR DISCUSSIONS

5:30-7:30

DINNER, DONALD CAMERON HALL, MAIN DINING ROOM

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WEDNESDAY, APRIL 30

7:00-9:00 Breakfast, 2nd floor lounge, Corbett Hall

Morning Session (Chair, D. Boyd)

9:00--9:30 Marie-Jose Bertin, Mahler's measures of some K3 hypersurfaces

9:40--10:10 Ruth Kellerhals, Polylogarithms, hyperbolic volume and Mahler measure

10:10--10:30 Coffee break

10:30--11:00 Matilde Lalin, Examples of Mahler measures as multiple polylogarithms

11:10--11:40 Chris Smyth, Explicit formulas for the Mahler measures of a family of n-variable polynomials

11:50--12:20 Vincent Maillot, Mahler measure in Arakelov Geometry

12:20—1:30 LUNCH, DONALD CAMERON HALL, MAIN DINING ROOM

AFTERNOON SESSION (CHAIR, F. RODRIGUEZ VILLEGAS)

2:00- 2:30 MICHAEL MOSSINGHOFF, POLYNOMIALS WITH RESTRICTED COEFFICIENTS AND PRESCRIBED FACTORS OF SMALL MAHLER MEASURE

2:40-3:10 Eknath Ghate, The arithmetic and geometry of Salem numbers

3:10-3:50 Coffee break

3:30-4:20 Graham Everest, Arithmetic in Bilinear Recurrence Sequences

4:30--5:00 Doug Lind, Mahler variations

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5:30—7:30 Dinner, Donald Cameron Hall, Main Dining Room

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Thursday, May 1

7:00-9:00

Breakfast, 2nd floor lounge, Corbett Hall

No formal activities scheduled

11:30—1:30

Lunch, Donald Cameron Hall, Main Dining Room

Departure day: Bon Voyage!

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