

# AMOEBAS AND TROPICAL GEOMETRY

## Workshop Schedule

Thursday, October 23, 2003

Introduction to Amoebas and Tropical Geometry

9:00 am - M. Passare: Amoebas - Their spines and contours

10:30 am - M. Kaparov: Amoebas over non-Archimedean fields

11:30 am - Lunch

1:30 pm - Working session - led by D. Lind: Dynamics

4:00 pm - S. Zelditch: Asymptotic geometry of polynomials with prescribed spectra

7:00 pm - Working session - led by B. Sturmfels: Tropical linear algebra

Friday, October 24, 2003

Real Algebraic Geometry and Combinatorics

9:00 am - J.-Y. Welschinger

10:30 am - Working session: led by O. Viro

12:00 pm - Lunch

1:30 pm - D. Speyer

3:00 pm - Working session: led by R. Thomas

Saturday, October 25, 2003

9:00 am - M. Gross

10:30 am - Yong-Geun Oh

12:00 pm - Lunch

2:00 pm - G. Mikhalkin

3:00 pm - M. Symington

8:00 pm - Working Session/Discussion: led by J. Carlson

Sunday, October 26, 2003

The Next Steps

9:00 am - F. Sottile: MSRI program - Goals for the MSRI semester

10:30 am - Problem Session: led by R. Thomas and M. Symington

12:00 pm - Lunch

1:30 pm - M. Rojas: Complexity and fewnomials

2:00 pm - G. Litvinov: Dequantization

2:30 pm - S. Kwon: Real aspects of Kontsevich's moduli space of maps from genus 0 curves

3:00 pm - L. Williams: The positive tropical Grassmannian