
Program of the Sessions

Salt Lake City, Utah, October 26–27, 2002

Saturday, October 26

Meeting Registration

7:30 AM – 4:30 PM Math Office, Room 233,
John Widtsoe Building

Special Session on Analytic Number Theory, I

8:00 AM – 10:50 AM Room 219, Leroy Cowles Building

Organizers: **Roger Baker**, Brigham Young University
Xian-Jin Li, Brigham Young University
Andrew D. Pollington, Brigham Young University

8:00AM (1) *Estimates for the number of algebraic numbers of fixed degree and bounded height.* Preliminary report.

Jeffrey D. Vaaler, University of Texas at Austin (981-11-29)

8:30AM (2) *Evidence for a Spectral Interpretation of the Zeros of L-functions from One-Parameter Families of Elliptic Curves.*

Steven J Miller, Princeton University (981-11-23)

9:00AM (3) *The pair coherrelation function of $n^2\alpha$ modulo one and an equidistribution problem in hyperbolic geometry.*

Andreas Strombergsson, Princeton University (981-11-89)

9:30AM (4) *The Integer Chebyshev Problem.*

Peter B Borwein, Mathematics Department, Simon Fraser University, Vancouver, Canada (981-11-31)

10:00AM (5) *Counting automorphic forms associated to Galois representations.*

Akshay Venkatesh, MIT (981-11-70)

10:30AM (6) *On Ternary Quadratic Forms.*

W Duke, UCLA (981-11-35)

Special Session on Representation Theory of Semisimple Lie Groups, I

8:00 AM – 10:40 AM Room 121, Leroy Cowles Building

Organizers: **Dragan Milicic**, University of Utah
Peter Trapa, University of Utah

8:00AM (7) *Annihilators and associated varieties of Harish-Chandra modules over classical Lie algebras.* Preliminary report.

William M. McGovern, University of Washington (981-22-06)

9:00AM (8) *On the Howe correspondence for symplectic-orthogonal dual pairs.*

Annegret Paul, Western Michigan University (981-22-28)

9:30AM (9) *Unipotent supports for character sheaves.* Preliminary report.

Pramod N. Achar*, University of Chicago, and
Anne-Marie Aubert, École Normale Supérieure (981-20-91)

10:00AM (10) *Holomorphic continuation of generalized Jacquet integrals for degenerate principal series.* Preliminary report.

Nolan R. Wallach, University of California, San Diego (981-22-56)

AMS Exhibit and Book Sale

8:00 AM – 4:30 PM Faculty Lounge, Room
228, John Widtsoe Building

Special Session on Geometry and Topology, I

8:30 AM – 10:50 AM Room 215, Leroy Cowles Building

Organizers: **Mladen Bestvina**, University of Utah
Michael Kapovich, University of Utah
Grigory Mikhalkin, University of Utah

The time limit for each contributed paper in the sessions is ten minutes. In the Special Sessions the time limit varies from session to session and within sessions. To maintain the schedule, time limits will be strictly enforced.

For papers with more than one author, an asterisk follows the name of the author who plans to present the paper at the meeting.

Papers flagged with a solid triangle (▶) have been designated by the author as being of possible interest to undergraduate students.

Abstracts of papers presented in the sessions at this meeting will be

found in Volume 23, Issue 4 of *Abstracts of papers presented to the American Mathematical Society*, ordered according to the numbers in parentheses following the listings. The middle two digits, e.g., 897-20-1136, refer to the Mathematical Reviews subject classification assigned by the individual author. Groups of papers for each subject are listed chronologically in the *Abstracts*. The last one to four digits, e.g., 897-20-1136, refer to the receipt number of the abstract; abstracts are further sorted by the receipt number within each classification.

- 8:30AM *Surface subgroups of Coxeter groups.*
 (11) **Cameron McA Gordon***, University of Texas at Austin, **Darren D Long**, UC Santa Barbara, and **Alan W Reid**, University of Texas at Austin (981-20-83)
- 9:30AM *Bounded cochains on 3-manifolds.*
 (12) **D Calegari**, California Institute of Technology (981-57-62)
- 10:30AM *Compactifications of leaves and foliations.*
 (13) **Alberto Candel**, CSUN (981-58-69)

Special Session on Area-Minimization and Minimal Surfaces, I

9:00 AM – 10:50 AM **Room 222, Leroy Cowles Building**

Organizers: **Michael Dorff**, Brigham Young University
Denise Halverson, Brigham Young University
Gary R. Lowler, Brigham Young University

- 9:00AM *Shortest networks for regular n -gons on a 480 degree cone.* Preliminary report.
 ▶ (14) **Gary R Lawlor***, Brigham Young University, **Joseph Rabinoff**, Harvard University, **Mark Burkhardt**, **Neil Hoffman** and **Aaron Magid**, Williams College (981-49-103)
- 10:00AM *Area-minimizing minimal graphs over nonconvex domains.*
 ▶ (15) **Denise M Halverson***, **Michael Dorff** and **Gary Lawlor**, Brigham Young University (981-49-58)
- 10:30AM *A least-area division of Gauss space into three equal pieces.*
 ▶ (16) **Joseph A Corneli**, University of Texas–Austin (981-51-80)

Special Session on Nonlinear Elliptic Partial Differential Equations, I

9:00 AM – 10:50 AM **Room 225, Leroy Cowles Building**

Organizers: **David A. Hartenstine**, University of Utah
Jon T. Jacobsen, Harvey Mudd College

- 9:00AM *The Monge-Ampere Equation in Domains that are not Strictly Convex.* Preliminary report.
 (17) **David A Hartenstine**, University of Utah (981-35-88)
- 9:30AM *A priori estimates for a parabolic Monge-Ampère equation from evolution of surfaces.* Preliminary report.
 (18) **Qingbo Huang***, Wright State University, and **Guozhen Lu**, Wayne State University (981-35-50)
- 10:00AM *$W^{2,p}$ estimates for the Linearized Monge Ampere equation.* Preliminary report.
 ▶ (19) **Federico Tournier***, Purdue University, and **Cristian Gutierrez**, Temple University (981-35-73)
- 10:30AM *Numerical Investigations of Monge-Ampere Type Equations.* Preliminary report.
 ▶ (20) **John M. Neuberger**, Northern Arizona University (981-35-94)

Special Session on Recent Trends in Algebraic Geometry, I

9:00 AM – 10:40 AM **Room 323, Leroy Cowles Building**

Organizers: **Aaron J. Bertram**, University of Utah
Christopher Derek Hacon, University of California Riverside

- 9:00AM *Group-Cohomological field theories.*
 (21) **Tyler Jarvis**, Brigham Young University (981-14-53)
- 10:00AM *A geometric Littlewood-Richardson rule.*
 (22) **Ravi Vakil**, Stanford University (981-14-37)

Special Session on Time Series, Heavy Tails, and Applications, I

9:00 AM – 10:50 AM **Room 308, John Widtsoe Building**

Organizers: **Davar Khoshnevisan**, University of Utah
Piotr Kokozska, Utah State University

- 9:00AM *Limits of On/Off Hierarchical Product Models for Data Transmission.*
 (23) **Sidney Resnick*** and **Gennady Samorodnitsky**, Cornell University (981-60-15)
- 9:30AM *Subsampling heavy-tailed models.*
 (24) **Piotr S Kokozska**, Utah State University (981-62-09)
- 10:00AM *River flow time series with heavy tails.*
 (25) **Mark M Meerschaert***, University of Nevada, and **Paul L Anderson**, Albion College (981-62-16)
- 10:30AM *Long Memory Models in Atomic Timekeeping.*
 ▶ (26) **Lara S Schmidt***, U. S. Naval Observatory, **David Crosby** and **I-Lok Chang**, American University (981-62-19)

Invited Address

11:00 AM – 11:50 AM **Room 335, John Widtsoe Building**

- (27) *Comparing Symplectic and Contact Topologies*
 Preliminary report.
Yakov Eliashberg, Stanford University

Invited Address

2:00 PM – 2:50 PM **Room 335, John Widtsoe Building**

- (28) *Partially hyperbolic dynamics on 3-manifolds*
Amie Wilkinson, Northwestern University

Special Session on Area-Minimization and Minimal Surfaces, II

3:00 PM – 4:40 PM **Room 222, Leroy Cowles Building**

Organizers: **Michael Dorff**, Brigham Young University
Denise Halverson, Brigham Young University
Gary R. Lowler, Brigham Young University

- 3:00PM *Delaunay's rolling curves and rotating drops.*
 ▶ (29) Preliminary report.
J. Elm, **R. Hynd***, **R. Lopez** and **J. McCuan**, Georgia Tech (981-53-92)
- 4:00PM *Instabilities in Bubble Clusters.*
 ▶ (30) **Kenneth Brakke**, Susquehanna University, and **Frank Morgan***, Williams College (981-49-57)

Special Session on Analytic Number Theory, II

3:00 PM – 6:20 PM **Room 219, Leroy Cowles Building**

Organizers: **Roger Baker**, Brigham Young University
Xian-Jin Li, Brigham Young University
Andrew D. Pollington, Brigham Young University

- 3:00PM *Elements of class groups of imaginary quadratic fields and Shafarevich-Tate groups of elliptic curves.*
 ▶ (31) **Antal Balog**, Math. Institute of Hungarian Acad. Sci., and **Ken Ono***, University of Wisconsin at Madison (981-11-25)
- 3:30PM *Weierstrass points on modular curves.*
 (32) **Scott Ahlgren**, University of Illinois, Urbana-Champaign (981-11-49)
- 4:00PM *A generalization of Vinogradov's mean value theorem.* Preliminary report.
 (33) **Scott T Parsell**, Penn State University (981-11-97)
- 4:30PM *Second order modular forms and $GL(2)$ converse theorems.* Preliminary report.
 ▶ (34) **David W Farmer**, American Institute of Mathematics (981-11-51)
- 5:00PM *Nearly multiplicative powers of η .*
 (35) **Adrian D Stanger**, Brigham Young University (981-11-38)
- 5:30PM *The frequency of vanishings of quadratic twists of modular form L -functions.*
 (36) **Michael Rubinstein***, **Brian Conrey**, American Institute of Mathematics, **Jonathan Keating** and **Nina Snaith**, University of Bristol (981-11-54)
- 6:00PM *Correlations of Short Divisor Sums and Small Gaps Between Primes.* Preliminary report.
 (37) **Daniel A Goldston**, San Jose State University (981-11-84)

Special Session on Nonlinear Elliptic Partial Differential Equations, II

3:00 PM – 5:20 PM Room 225, Leroy Cowles Building

- Organizers: **David A. Hartenstine**, University of Utah
Jon T. Jacobsen, Harvey Mudd College
- 3:00PM *On a critical perturbation of a Neumann elliptic problem with limiting Sobolev exponent.*
 (38) **David G Costa**, University of Nevada - Las Vegas (981-35-108)
- 3:30PM *A Multiplicity Result for the Jumping Nonlinearity Problem.*
 (39) **Hossein T Tehrani**, UNLV (981-35-87)
- 4:00PM *An Existence Result on Positive Solutions for a Class of Semilinear Elliptic Systems.*
 (40) **Dang Hai** and **Ratnasingham Shivaji***, Mississippi State University (981-35-81)
- 4:30PM *Diffusive logistic equation with constant yield harvesting.*
 ▶ (41) **Junping Shi**, Department of Mathematics, College of William and Mary (981-35-96)
- 5:00PM *Uniqueness of positive solutions for a class of semilinear elliptic systems.*
 (42) **Hai Dang**, Mississippi State University (981-35-66)

Special Session on Representation Theory of Semisimple Lie Groups, II

3:00 PM – 5:50 PM Room 121, Leroy Cowles Building

- Organizers: **Dragan Milicic**, University of Utah
Peter Trapa, University of Utah
- 3:00PM *The associated cycle of a unipotent representation.*
 (43) Preliminary report.
Dan Barbasch, Cornell university (981-22-78)
- 4:00PM *Another look at the Littlewood restriction formula.*
 (44) Preliminary report.
Jeb F. Willenbring, Yale University (981-22-07)

- 5:00PM *A Reduction Program for Semisimple Groups.*
 (45) **Arthur Lim**, University of Minnesota (981-22-21)
- 5:30PM *A Localization Argument for Characters of Reductive Lie Groups: An Introduction and Examples.*
 (46) **Matvei Libine**, University of Massachusetts (981-22-20)

Special Session on Recent Trends in Algebraic Geometry, II

3:00 PM – 5:40 PM Room 323, Leroy Cowles Building

- Organizers: **Aaron J. Bertram**, University of Utah
Christopher Derek Hacon, University of California Riverside
- 3:00PM *Local Gromov-Witten theory of curves in Calabi-Yau 3-folds and Topological Quantum Field Theory.*
 (47) **Jim Bryan**, University of British Columbia (981-14-40)
- 4:00PM *Semisimple Frobenius manifolds and Witten's conjecture on spin curves and Gelfand-Dickey hierarchies.*
 (48) **YP Lee**, University of Utah (981-14-60)
- 5:00PM *Quantum Chow rings of Deligne-Mumford stacks.*
 (49) **Tom Graber**, UC Berkeley (981-14-82)

Special Session on Geometry and Topology, II

3:00 PM – 5:20 PM Room 215, Leroy Cowles Building

- Organizers: **Mladen Bestvina**, University of Utah
Michael Kapovich, University of Utah
Grigory Mikhalkin, University of Utah
- 3:00PM *An invariant of tangle cobordisms.*
 (50) **Mikhail Khovanov**, University of California, Davis (981-57-18)
- 4:00PM *Higher-Order Alexander Modules with Applications to the Thurston Norm and Symplectic 4-manifolds.*
 (51) **Shelly Harvey**, University of California, San Diego (981-57-64)
- 4:30PM *Cube complexes for groups and manifolds.*
 (52) Preliminary report.
Jon McCammond*, UC Santa Barbara, and **Noel Brady**, University of Oklahoma (981-20-68)
- 5:00PM *The loop shortening property and almost convexity.*
 ▶ (53) **Murray J Elder**, Tufts University (981-20-30)

Special Session on Time Series, Heavy Tails, and Applications, II

3:00 PM – 3:50 PM Room 308, John Widtsoe Building

- Organizers: **Davar Khoshnevisan**, University of Utah
Piotr Kokozska, Utah State University
- 3:00PM *The efficiency of the estimators of the parameters in GARCH processes.*
 ▶ (54) **Lajos Horvath**, The University of Utah (981-62-12)
- 3:30PM *Storage processes with a self-similar and infinitely divisible input.* Preliminary report.
 (55) **Patrik Albin**, Chalmers University of Technology, and **Gennady Samorodnitsky***, Cornell University (981-60-11)

Session for Contributed Papers

- 3:00 PM – 3:55 PM Room 218, Leroy Cowles Building**
- 3:00PM *Multipliers of Sequence Spaces, III.* Preliminary report. (56)
George U Brauer, University of Minnesota (981-40-10)
- 3:15PM *Optimal Control of a Functional of a Diffusion Process.* Preliminary report. (57)
Rod A Freed, California State University at Dominguez Hills (981-60-107)
- 3:30PM *The Boundary of Weighted Analytic Centers for Linear Matrix Inequalities.* Preliminary report. (58)
Shafiu Jibrin* and **James Swift**, Northern Arizona University (981-90-08)
- 3:45PM *Quasi-conformal Rigidity of Negatively Curved Three Manifolds.* (59)
Yong Hou, University of Iowa (981-51-98)

Sunday, October 27

Meeting Registration

- 8:00 AM – NOON Math Office, Room 233, John Widtsoe Building**

Special Session on Analytic Number Theory, III

- 8:00 AM – 10:50 AM Room 219, Leroy Cowles Building**
- Organizers: **Roger Baker**, Brigham Young University
Xian-Jin Li, Brigham Young University
Andrew D. Pollington, Brigham Young University
- 8:00AM *Some doubly exponential sums over primes.* (60)
John B Friedlander, University of Toronto (981-11-102)
- 8:30AM *Gaps in the Fourier expansions of modular forms.* (61)
Emre Alkan, University of Wisconsin (981-11-43)
- 9:00AM *Primes and powers of a fixed integer.* Preliminary report. (62)
Peter D.T.A. Elliott, University of Colorado at Boulder (981-11-24)
- 9:30AM *On polynomials with coefficients +1 or -1.* (63)
Kwok-kwong Stephen Choi, Simon Fraser University (981-11-39)
- 10:00AM *Automorphic Boundary Distributions, Voronoi Summation, and L-functions on GL(n).* (64)
Stephen David Miller*, Rutgers University, and **Wilfried Schmid**, Harvard University (981-11-13)
- 10:30AM *Complex arithmetic dimensions of fractal strings and membranes.* (65)
Michel L. Lapidus, University of California, Riverside (981-11-22)

Special Session on Representation Theory of Semisimple Lie Groups, III

- 8:00 AM – 10:50 AM Room 121, Leroy Cowles Building**
- Organizers: **Dragan Milicic**, University of Utah
Peter Trapa, University of Utah
- 8:00AM *Hilbert Series for Unitary Highest Weight Representations.* (66)
Thomas J Enright, UCSD (981-22-36)

- 9:00AM *On the automorphism group of free nilpotent groups and Kazhdan property T.* Preliminary report. (67)
Martin D Kassabov, Yale University (981-22-17)
- 9:30AM *Geometric approach to Whittaker modules.* Preliminary report. (68)
Denis Lukic, University of Utah (981-22-95)
- 10:00AM *Dirac cohomology and u -cohomology.* Preliminary report. (69)
Jing-Song Huang, HKUST, Hong Kong, **Pavle Pandzic***, University of Zagreb, Croatia, and **David Renard**, University of Poitiers, France (981-22-100)
- 10:30AM *The cubic Dirac operator on homogeneous spaces.* Preliminary report. (70)
Roger Zierau, Oklahoma State University (981-22-85)

Special Session on Numerical Solutions of Modeling Problems, I

- 8:00 AM – 10:50 AM Room 333, John Widtsoe Building**
- Organizers: **Sun Chow**, Brigham Young University
Joseph V. Koebbe, Utah State University
- 8:00AM *Finite Element Approximations of a Glaciology Problem.* (71)
Shue-Sum Chow, Brigham Young University (981-65-106)
- 8:30AM *Elliptic Grid Generation with Control of the Coordinate Line Distribution for Multiply Connected Regions.* Preliminary report. (72)
Vianey R Villamizar*, Brigham Young University, and **Otilio Rojas**, Universidad Central de Venezuela (981-65-105)
- 9:00AM *Solitary Wave Interactions of the Euler-Poisson Equations.* (73)
David Sattinger*, Utah State University, **David Nicholls**, Notre Dame University, and **Mariana Haragus**, Univesite de Bordeaux (981-35-93)
- 9:30AM *Numerical Simulation of Two-Species Biofilms.* (74)
Benito M Chen*, University of Wyoming, and **Hristo Kojouharov**, University of Texas at Arlington (981-65-79)
- 10:00AM *Modeling Biofilm Growth in a Porous Medium.* (75)
Kenneth L. Bowers, Montana State University (981-76-101)
- 10:30AM *A numerical approach for coupling independently modeled substructures.* Preliminary report. (76)
Padmanabhan Seshaiyer, Texas Tech University (981-65-86)

AMS Exhibit and Book Sale

- 8:00 AM – NOON Faculty Lounge, Room 228, John Widtsoe Building**

Special Session on Geometry and Topology, III

- 8:30 AM – 10:50 AM Room 215, Leroy Cowles Building**
- Organizers: **Mladen Bestvina**, University of Utah
Michael Kapovich, University of Utah
Grigory Mikhalkin, University of Utah
- 8:30AM *Ending laminations and the classification of hyperbolic 3-manifolds.* Preliminary report. (77)
Jeffrey F. Brock*, University of Chicago, **Richard D. Canary**, University of Michigan, and **Yair N. Minsky**, SUNY Stony Brook (981-51-99)

- 9:30AM *Geometric inflexibility of hyperbolic 3-manifolds.*
(78) Preliminary report.
Kenneth Bromberg*, Caltech, and **Jeff Brock**,
University of Chicago (981-51-65)
- 10:00AM *Small principal curvature surfaces in hyperbolic*
(79) *3-manifolds.* Preliminary report.
Christopher J Leininger, Columbia University
(981-57-42)
- 10:30AM *Small 3-manifolds of large genus.*
(80) **Ian Agol**, University of Illinois at Chicago
(981-57-67)

**Special Session on Nonlinear Elliptic Partial
Differential Equations, III**

9:00 AM – 10:50 AM Room 225, Leroy Cowles Building

Organizers: **David A. Hartenstine**, University of
Utah
Jon T. Jacobsen, Harvey Mudd College

- 9:00AM *On a Liouville-type comparison principle for*
(81) *solutions of quasilinear elliptic inequalities.*
Preliminary report.
Vasyl V. Kurta, Mathematical Reviews (981-35-63)
- 9:30AM *Variational inequalities in Orlicz-Sobolev spaces.*
(82) **Matthew B Rudd**, University of Utah (981-47-32)
- 10:00AM *Symmetry breaking of extremal functions for*
(83) *weighted Sobolev inequalities.*
Zhi-Qiang Wang, Utah State University (981-35-33)
- 10:30AM *Asymptotic Behavior of the Potential and Existence*
(84) *of a periodic Solution for a Second Order*
Differential Equation. Preliminary report.
Alfonso Castro, University of Texas at San Antonio
(981-35-109)

**Special Session on Recent Trends in Algebraic
Geometry, III**

9:00 AM – 10:40 AM Room 323, Leroy Cowles Building

Organizers: **Aaron J. Bertram**, University of Utah
Christopher Derek Hacon, University
of California Riverside

- 9:00AM *Toward Arakelov-Parshin rigidity.* Preliminary
(85) report.
Sandor J Kovacs, University of Washington
(981-14-59)
- 10:00AM *Flops of G-Hilb as moduli of representations of the*
(86) *McKay quiver.*
Alastair Craw, University of Utah (981-14-41)

Invited Address

11:00 AM – 11:50 AM Room 335, John Widtsoe Building

- (87) *The Wave Equation and Harmonic Analysis.*
Preliminary report.
Hart F Smith, University of Washington, Seattle
(981-35-26)

Invited Address

2:00 PM – 2:50 PM Room 335, John Widtsoe Building

- (88) *The Stability and Dynamics of Localized Patterns*
for a Reaction-Diffusion System.
Michael Ward, University of British Columbia
(981-35-44)

Special Session on Analytic Number Theory, IV

3:00 PM – 6:20 PM Room 219, Leroy Cowles Building

Organizers: **Roger Baker**, Brigham Young
University
Xian-Jin Li, Brigham Young University
Andrew D. Pollington, Brigham Young
University

- 3:00PM *Asymptotic Large Sieve.* Preliminary report.
(89) **J. Brian Conrey***, American Institute of
Mathematics, and **Henryk Iwaniec**, Rutgers
University (981-11-74)
- 3:30PM *Poincare Series and Kloosterman Sums.* Preliminary
(90) report.
Wladimir de Azevedo Pribitkin, Haverford College
(981-11-27)
- 4:00PM *Galois representations and arithmetic*
(91) *cohomology.* Preliminary report.
Darrin M Doud, Brigham Young University
(981-11-90)
- 4:30PM *Exponential sums over primes and the*
(92) *Waring-Goldbach problem.* Preliminary report.
Angel V. Kumchev, University of Toronto
(981-11-14)
- 5:00PM *Exponential Sums With Real Zeros and Fourier*
(93) *Transforms With Real Zeros.*
David A Cardon, Brigham Young University
(981-42-55)
- 5:30PM *Integers with dense divisors.*
(94) **Andreas Weingartner**, Southern Utah University
(981-11-45)
- 6:00PM *On the Weighted Hilbert Inequality.* Preliminary
(95) report.
Xian-Jin Li, Brigham Young University (981-11-61)

**Special Session on Representation Theory of
Semisimple Lie Groups, IV**

3:00 PM – 5:50 PM Room 121, Leroy Cowles Building

Organizers: **Dragan Milicic**, University of Utah
Peter Trapa, University of Utah

- 3:00PM Discussion

**Special Session on Numerical Solutions of Modeling
Problems, II**

3:00 PM – 5:50 PM Room 333, John Widtsoe Building

Organizers: **Sun Chow**, Brigham Young University
Joseph V. Koebbe, Utah State
University

- 3:00PM *Mathematical and Computational Methodology for*
▶ (96) *Predicting the Emergence of Insect Pests.*
Preliminary report.
James A Powell and **Jeff T Leek***, Utah State
University (981-92-76)
- 3:30PM *Modeling Cell-Cell interactions and motion with*
▶ (97) *discrete viscoelastic ellipsoids.* Preliminary report.
John C. Dallan, Brigham Young University
(981-92-77)
- 4:00PM *Wavelet Characterization of Homogenization in*
▶ (98) *Elliptic Problems.*
Laura Watkins* and **Joe Koebbe**, Utah State
University (981-65-71)
- 4:30PM *A Wavelet "Spectral" Method for Approximate*
▶ (99) *Solution of Elliptic Problems.* Preliminary report.
Joe Koebbe, Utah State University (981-65-72)

- 5:00PM *A Numerical Scheme for the Mullins-Sekerka
(100) Evolution in Three Space Dimensions.*
Peter W Bates, Michigan State University, East
Lansing, and **Sarah M Brown***, Brigham Young
University (981-35-104)
- 5:30PM *On the Approximation of Minimal Norm Solutions of
(101) Systems of Linear Equalities.*
Said Bahi, Southern Utah University (981-90-52)

Michel L. Lapidus
Associate Secretary
Riverside, California