

revised

12:00-4:00	Registration - North of Fireside Lounge - University Center			
12:00-4:00	Book Display - University Center Aspen Room C			
1:00-1:20	Welcome by Dr. Jim Hindman, Interim Vice President for Academic Affairs - University Center Columbine Room A			
	SECTION A (Spruce Room A) Presider: Terry Scott	SECTION B (Spruce Room C) Presider: Bill Manzer	SECTION C (Columbine B) Presider: Susan Knights	SECTION D
1:25-1:45	John Starrett - Metro - Student "Music Mod N: Reflections on Number Theory in Music"	<u>Panel:</u> Mathematical Modeling <u>Chair:</u> Tom Kelley - Metro <u>Members:</u> Mike Lord - Industry Rick Trujillo-Student-UC-Denver	Major Steven R. Capehart - USAF - "Solving Mathematical Problems Faster"	
1:50-2:10	Jose Cisneros - Metro "A Review of Hand-held Graphic Calculators"	Modeling Panel continued	Igor Szczyrba - UNC "Mathematics and Education - A Compatibility Problem"	
2:15-2:35	<u>Return Match:</u> Newton-Berkley Debate (Fractals - Newton's Demise and Berkley's Vindication?) <u>Members:</u> Susan Clinkenbeard, Alice Cusak, John Starrett - Metro -Students	Jeanette M. Fulmer - Air Force Academy - Student "Dihedral Perfect Numbers"	Richard Roth - CU Boulder "The VCR Tape Counter: Inverting the Winding Function"	
2:40-3:00	Jon M. Plachy - Metro "The Modular Approach to Teaching Calculus I"	Ann Thomas - UNC "Statistical Application of the Nelder-Mead Optimization Technique"	Gary Grefsrud - Ft. Lewis College & Jolean Ruggles - Skyview High School "Progress Report on Colorado Jump Program"	
3:05-3:25	Bella Wiener & Joseph Wiener* - Univ of Texas "Closed Forms of Trigonometric Integrals"	Harold Davenport - Mesa "The Hubble Space Telescope: An Application of the Stone-Weierstrass Theorem"	<u>Panel:</u> Impact of NCTM Standards on the College Classroom <u>Chair:</u> Jim Loats - Metro <u>Members:</u> Igor Szczyrba, UNC; Jolean Ruggles, Skyview HS; Chuck McNerney, UNC	

	SECTION A (Spruce Room A)	SECTION B (Spruce Room C)	SECTION C (Columbine Room B)	SECTION D
3:30-3:50	Dick Walker - Ft. Lewis "Mathematical Recreation: Door #17"	Karl Castleton - Mesa - Student "Optimizing Computing Programming Problems"	NCTM Panel continued	
3:50-4:05		COFFEE BREAK		
	SECTION A (Spruce Room A) President: Treena Breyfogle	SECTION B (Spruce Room C)	SECTION C (Columbine Room B)	SECTION D (Columbine Room A)
4:05-4:25	Daniel Carroll - Mesa - Student "Calculating the Mandelbrot Set Efficiently"	Panel: Quantitative Literacy Chair: John Hodges - CU Boulder Members: Ed Hawkins - Mesa	Bill Emerson - Metro "Teaching Calculus with Mathematica"	Karen Tonso - Metro Workshop: Nine Women Who Count
4:30-4:50	Guy Westhoff - UNC - Student "Integrating Technology into College Math Courses"	Quantitative Literacy Panel continued	Emerson continued	Workshop continued
4:55-5:15	Brian Hagler - UCCS - Student "Using Mathematica to Illustrate the Dirichlet Problem for a Cardioid"		Emerson continued	Workshop continued
5:20-5:40	Minghao Lee - UNC - Student "On the Expressions of Hyperreal Systems"	C.G. Mendez - Metro "Risk Management Securities Valuation Models"		Workshop continued
6:00-7:00	Wine & Cheese - Location - ASPEN Room A & B - Funds contributed by Book Exhibitors - THANKS!!			
7:00 p.m.	BANQUET - Panorama Room Speaker: Deborah Tepper Haimo "Vignettes of Some Mathematicians"			

7:30-8:30	Executive Breakfast Meeting - Denny's Restaurant - 2319 8th Avenue			
8:45-9:30	Business Meeting - Kepner 2050			
9:00-12:00	Book Display - Kepner 1035			
9:30-10:15	Invited Speaker: Deborah Tepper Haimo "Interesting Partition Identities" - Kepner 2050			
	SECTION A (Kepner 2025) Presider: Alan Arnholt	SECTION B (Kepner 2030) Presider: Steve Leth	SECTION C (Kepner 2050)	SECTION D (Kepner 2040)
10:20-10:40	Peter Morris - S.D. School of Mines - Student "Statistical Testing of Random Number Generators"	Tom Kelley - Metro "Fractal Mountains: An Application"	Panel: Calculus Reform, Etc. Chair: Joan Hundhausen - Mines Members: Laurel Rogers - UCCS, Bill Emerson - Metro	Paul Benton - Casper College "Undergraduate Linear Algebra Curriculum" <i>Wagner</i>
10:45-11:05	Frederick J. Staley - Front Range Comm College "Triadic Dualism"	David Beazley - Ft. Lewis College - Student "Fast Ellipses on the Computer"	Calculus Reform continued	Undergraduate Linear Algebra Curriculum continued
11:10-11:30	Chuck McNerney - UNC "Use of Mentor Teachers in the College Mathematics Classroom"	James Olsen - CSU - Student "Grobner Bases and the Buckberger Theorem"	Calculus Reform continued	Undergraduate Linear Algebra Curriculum continued
11:35-11:55	Miles Porter - UNC - Student "A Chaotic Connection: The Behavior of Newton's Method on a Function with No Real Roots"	Joe Rabb & Students - Metro "The Contract Bridge Scheduling Problem"		