

SPRING MEETING OF THE ROCKY MOUNTAIN SECTION OF THE MAA AT COLORADO COLLEGE

\* \* \* TENTATIVE SCHEDULE \* \* \*

Friday, April 10, 1992

11:00 - 5:00	REGISTRATION/BOOK DISPLAY - Math Lounge, Palmer Hall
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1:00 - 1:45	Steven Janke, CC - Olin 1 "MODELING THE GROWTH OF THE AIDS EPIDEMIC"
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Parallel Sessions

Olin 1	Palmer 128	Palmer 126
1:50 - 3:00  <u>Panel: Curricular Reform</u>	1:50 - 2:10  David Fisher (CUB) <u>Fractional Coloring</u>	1:50 - 2:10  Earl Hasz (Metro) <u>General Studies Math: What and Why?</u>
Jack Hodges (CUB), Chair Zenos Hartvigson (CUB) Steve Leth (UNC) Ben Manvel (CSU) Duane Porter (UWyo)	2:15 - 2:35  Laura Hegerle (CC) <u>Edge Coloring Graphs</u>	2:15 - 2:35  Gail Gliner (Metro) <u>Mathematical Estimation by Preservice Teachers</u>
	2:40 - 3:00  John D. Wilson (UCD) <u>Solving the Timetable Problem Using Bipartite Edge Coloring</u>	2:40 - 3:00  Janet Barnett (USC) <u>Independence Results in Infinite Combinatorics</u>

3:00 - 3:10	COFFEE BREAK COFFEE BREAK COFFEE BREAK COFFEE BREAK
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Friday, April 10, 1992 (Continued)

Olin 1	Palmer 128	Palmer 126
<p>3:10 - 3:55</p> <p><u>Panel: Math Programs for Underrepresented Groups</u></p> <p>Bill Jones (Xavier), Chair Janet Barnett (USC) Jose Cisneros (Metro) William T. Hodson (TLHU) Mike Siddoway (CC)</p>	<p>3:10 - 3:30</p> <p>Terry Lay (CC &amp; ISU)</p> <p><u>DERIVEing and Derinking</u></p>	<p>3:10 - 3:30</p> <p>Terry Chen (CUD)</p> <p><u>The Lipschitz Constant of Periodic Functions</u></p>
	<p>3:35 - 3:55</p> <p>Karen Casey (CUD)</p> <p><u>Using the TI-81 Graphics Calculator</u></p>	<p>3:35 - 3:55</p> <p>Sarah Merz (CUD)</p> <p><u>A Characterization of Graphs with Interval Two Step Graphs</u></p>
<p>4:00 - 5:10</p> <p><u>Panel: Calculus Reform</u></p> <p>Laurel Rogers (UCCS), Chair Marlow Anderson (CC) Christopher Cotter (UNC) Bill Emerson (Metro) Edwin Hawkins (Mesa) Bill Kiele (USFA)</p>	<p>4:00 - 4:20</p> <p>Todd Johnson (FL)</p> <p><u>Using the Geometry Supposer to Investigate the Koch Snowflake</u></p>	<p>4:00 - 4:20</p> <p>Jose Cisneros (Metro)</p> <p><u>Teaching the Dot, Cross Product: An Interesting Example</u></p>
	<p>4:25 - 4:45</p> <p>Karin Reisbeck (CC)</p> <p><u>Investigations of Hausdorff Dimension</u></p>	<p>4:25 - 4:45</p> <p>Igor Szczyrba (UNC)</p> <p><u>Quantum Groups and the National Math Curriculum</u></p>
	<p>4:50 - 5:10</p> <p>Tim Moreland (DU)</p> <p><u>An Integral Equation With Advance and Delay Arguments</u></p>	<p>4:50 - 5:10</p> <p>Ed Corwin (SDSM) Antonette Logar (SDSM)</p> <p><u>Neural Networks for Time Series Prediction</u></p>

<p>4:00 - 5:00 Friday and 8:00 - 9:00 Saturday</p>	<p>SPECIAL WORKSHOP - Computer Lab, Barnes Hall</p> <p><u>Try DERIVE and the TI-81 Graphics Calculator</u></p>
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<p>5:15 - 6:50</p>	<p>COCKTAILS AND JAZZ AT STEWART HOUSE</p>
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<p>7:00 - ??</p>	<p>CONFERENCE BANQUET - Bemis Hall</p> <p>After Dinner Speaker - LEONARD GILLMAN</p>
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Saturday, April 11, 1992

7:00 - 8:00	EXECUTIVE BREAKFAST - Worner Center 117
8:00 - 12:00	REGISTRATION/BOOK DISPLAY - Math Lounge, Palmer Hall
8:00 - 8:55	BUSINESS MEETING - Olin 1
9:00 - 9:50	<p style="text-align: center;"><b>FEATURED SPEAKER - Olin 1</b></p> <p style="text-align: center;">LEONARD GILLMAN, The University of Texas at Austin</p> <p style="text-align: center;">"AN AXIOMATIC APPROACH TO THE INTEGRAL"</p>
9:50 - 10:00	COFFEE BREAK COFFEE BREAK COFFEE BREAK COFFEE BREAK

Olin 1	Palmer 128	Palmer 126
<p>10:00 - 10:20</p> <p>Harold Davenport (Mesa)</p> <p><u>Teaching Real Analysis at a Four Year College</u></p>	<p>10:00 - 12:00</p> <p><u>Workshop: Pre-College Intervention Projects for Underrepresented Groups of Students</u></p> <p>Florence Fasanelli (SUMMA/MAA)</p> <p>Methods for Proposal Development, Funding Sources, and the Art of Proposal Writing</p>	<p>10:00 - 10:20</p> <p>John Starret (Metro)</p> <p><u>Using a Horizontally Driven Pendulum to Study Chaos</u></p>
<p>10:25 - 11:10</p> <p>Duane Porter (UWyo)</p> <p><u>Undergraduate Linear Algebra: A Proposed Syllabus</u></p>		<p>10:25 - 10:45</p> <p>Rena Todd (Metro) Cathy Baxter (Metro)</p> <p><u>Using a Horizontally Driven Pendulum to Illustrate Mathematical Modeling</u></p>
<p>11:15 - 12:00</p> <p><u>Panel: Student Research</u></p> <p>David Jensen (USAFA), Chair David Fisher (CUD) Tom Kelly (Metro) Fred Tinsley (CC)</p>		<p>10:50 - 11:10</p> <p>Karen Casey (CUD)</p> <p><u>Conditional Graph Coloring</u></p>
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>AWARDS FOR BEST STUDENT TALKS</b></p> </div>	<p>11:15 - 11:35</p> <p>Michael Lord (Research and Engineering Consultants)</p> <p><u>Natural Gas, Geology &amp; ODEs</u></p>	<p>11:40 - 12:00</p> <p>Frank Witte (Martin Marietta)</p> <p><u>Why Most Engineers Don't Use Undergraduate Math</u></p>