

UO

6TH PACIFIC COAST GRAVITY MEETING

SCHEDULE OF TALKS

All talks are scheduled for a maximum of 20 minutes plus 5 minutes discussion. Speakers desiring 15 minutes plus 10 minutes discussion should let the organizers know in advance.

Friday, 30 March 1989

Fir Room Erb Memorial Union

9:00-10:00	REGISTRATION	
10:00-12:30	Ron Hellings	<i>The Future NASA Gravity Wave Program</i>
	Mark Halpern	<i>A New Rocket Measurement of the CMBR Spectrum</i>
	Joe Weber	<i>Gravitational Radiation Antennas and Cross Sections</i>
	Richard Isaacson	<i>Future Prospects for Laser Gravity Wave Receivers</i>
	Richard Price	<i>The Intertwining of the Equations for Black Hole Perturbations</i>
	Alex Harvey	<i>Spinning Objects in a Gravitational Field</i>
12:30- 1:45	LUNCH	
1:45- 3:35	Ken Nordtvedt	<i>G/G and a Cosmological Torque</i>
	Garrett Biehle	<i>Return of the Red Giants: This Time with Neutron Degenerate Cores</i>
	Gregory Mendall	<i>Superfluid Effects on Neutron Star Dynamics</i>
	Lee Lindblom	<i>Dissipative Relativistic Fluid Theories of Divergence Type</i>
	Tevian Dray	<i>Bouncing Shells</i>
3:35- 3:55	BREAK	
3:55- 6:00	Steve Christensen	<i>Math Tensor: An Overview</i>
	David Garfinkle	<i>Cosmic String Traveling Waves</i>
	Gunnar Klinkhammer	<i>The Averaged Weak Energy Condition in Flat Spacetime</i>
	Fernando Echeverria	<i>Classical and Quantum Billiard Balls in Wormhole Spacetimes with Closed Timelike Curves</i>
	Kip Thorne	<i>Do Vacuum Fluctuations Prevent the Creation of Time Machines?</i>

Ochlorens
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Shalid-Salass
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You are invited to a party at Jim Isenberg and Jill Bowling's place. The party starts at 8:00 pm Friday. The address is 3125 Onyx St. To get there from the U of O, go up Agate Street (south) until 24th St. Take a right on 24th until you reach Hilyard (at the light). Take a left there and go up to 32nd. Take a left there and proceed up the hill to Onyx Street (NOT Onyx Place, which comes right after Onyx Street). Take a left at Onyx Street and proceed a few houses to 3125.

Saturday, 31 March 1990

Room 110 Willamette Hall

- 9:00-10:40 **Isidore Hauser** *A Homogeneous Hilbert Problem for the Initial Value Problem for Colliding Gravitational Plane Waves*
Frederick J. Ernst *Elegant New Family of Gravitational Colliding Wave Solutions*
William Kinnersley *New Family of Symmetry Transformations for the Stationary Axially Symmetric Field Problem*
Abe Taub *The Interaction of Null Dust Clouds Fronted by Impulsive Plane Gravitational Waves*
- 10:40-11:00 **BREAK**
- 11:00-12:40 **Jim Isenberg** *Proof of Strong Cosmic Censorship in a Class of Spacetimes*
Martin Jackson *Evolution of the Bel-Robinson Energy in Gowdy Spacetimes*
Philip Mansfield *Electrovacuum Spacetime Singularities*
Luca Bombelli *When are two Lorentzian metrics close?*
- 12:40- 1:50 **LUNCH**
- 1:50- 3:30 **Karel Kuchař** *Gaussian Coordinates in Quantum Geometrodynamics as a Heat-Conducting Fluid*
Paul Renteln *Quantum Metric Topology*
Salman Habib *Quantum Cosmology: The Classical Limit*
Dragoljub Markovic *Hawking Radiation from a Collapsing Star in deSitter Spacetime*
- 3:30- 3:50 **BREAK**
- 3:50- 5:55 **James Bardeen** *Non-Gaussian Perturbations from Inflation 4:06*
~~**Harry King**~~ *Closed Universes Cannot Rotate!*
Masahiro Morikawa *The Oscillating Universe 4:37*
Jörg Frauendiener *On the Symplectic Structure of General Relativity 5:01*
~~**Bahman Shahid-Saless**~~ *Curvature-Squared Gravity a la Palatini*

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March 26, 1990

Prof. James Isenberg
Department of Mathematics
University of Oregon
Eugene, OR 97403

Dear Jim:

I cannot make it to the Pacific Gravity Meeting, and I'm very sorry to miss it. My wife Diane is in Washington all this week and the child care problem turned out to be unsolvable.

What I would like to do for the meeting this year, instead of attending, is to put up a \$100 prize for the best talk given by a student. Can I ask you and the other local organizers to judge the prize? For this purpose a student is anyone who has not yet started a postdoc or faculty job. I enclose a check for \$100 and I hope you can wash it through your own checking account. Good luck with the meeting.

Best regards,



Douglas M. Eardley

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encl: Check