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 The Future NASA Gravity Wave Program
Mark Halpern A New Rocket Measurement of the CMBR Spectrum
Joe Weber Gravitational Radiation Antennas and Cross Sections
Richard Isaacson Future Prospects for Laser Gravity Wave Receivers
Richard Price The Intertwining of the Equations for Black Hole Perturbations
Alex Harvey Spinning Objects in a Gravitational Field

12:30–1:45 LUNCH

1:45–3:35
Ken Nordtvedt $G/G$ and a Cosmological Torque
Garrett Biehle Return of the Red Giants: This Time with Neutron Degenerate Cores
Gregory Mendall Superfluid Effects on Neutron Star Dynamics
Lee Lindblom Dissipative Relativistic Fluid Theories of Divergence Type
Tevian Dray Bouncing Shells

3:35–3:55 BREAK

3:55–6:00
Steve Christensen MathTensor: An Overview
David Garfinkle Cosmic String Traveling Waves
Gunnar Klinkhammer The Averaged Weak Energy Condition in Flat Spacetime
Fernando Echeverria Classical and Quantum Billiard Balls in Wormhole Spacetimes with Closed Timelike Curves
Kip Thorne Do Vacuum Fluctuations Prevent the Creation of Time Machines?

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
Hawking Cosmology: The Classical Limit
Dragoljub Markovic
in deSitter Spacetime

3:30–3:50
BREAK

3:50–5:55
James Bardeen
Non-Gaussian Perturbations from Inflation
Harry King
Closed Universes Cannot Rotate!
Masahiro Morikawa
The Oscillating Universe
Jörg Frauendiener
On the Symplectic Structure of General Relativity
Bahman Shahid-Saless
Curvature-Squared Gravity a la Palatini
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,

[Signature]

Douglas M. Eardley

DME:im  
encl: Check