

Field Equations on Lorentzian Space-Times
March 19-23, 2018, Hamburg, Lecture Hall H4

| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------------|--|--|---|--|---|
| 09:00-10:00 | Registration | | | | |
| 10:00-11:00 | Lydia Bieri Gravitational radiation in asymptotically flat and cosmological spacetimes | Dietrich Häfner Scattering for Dirac and Klein-Gordon fields on the (De Sitter) Kerr metric and the Hawking effect | Mihalis Dafermos TBA | George Papadopoulos TBA | José Figueroa O'Farrill Killing superalgebras for Lorentzian manifolds |
| 11:00-11:30 | Coffee break | Coffee break | Coffee break | Coffee break | Coffee break |
| 11:30-12:30 | Miguel Sánchez Ehlers-Kundt conjecture and the initial value problem for gravitational waves | Shadi Tahvildar-Zadeh On the quantum mechanics of a single photon | Contributed talks: 11:30-12:00: Florian Hanisch Nonlinear systems with anticommuting fields 12:00-12:30: Oliver Lindblad Petersen Wave equations with initial data on compact Cauchy horizons 12:30-13:00: Maximilian Thaller On static solutions of the Einstein-Vlasov system with charged particles | Gustav Holzegel The black hole stability problem | Thomas Bäckdahl Linear perturbations of special spacetimes |
| 12:30-14:30 | Lunch break | Lunch break | Free afternoon | Lunch break | Lunch break |
| 14:30-15:30 | Phillipe LeFloch Nonlinear stability of self-gravitating massive fields | Thomas Mohaupt Solutions to N=2 supergravity with vector multiplets: from Nernst branes to S-branes | | Tomás Ortín Non-Abelian gauge fields in superstring theory and gauged supergravity | Carla Cederbaum On geometric foliations related to the center of mass in general relativity |
| 15:30-16:00 | Coffee break | Coffee break | | Coffee break | Coffee break |
| 16:00-17:00 | Stefan Suhr Temporal functions for Lorentzian metrics of low regularity | Anne Franzen Strong cosmic censorship analysed on the level of scalar waves in Kerr interiors | | David Fajman Nonvacuum stability of the Milne universe | Jérémie Joudioux The stability of Minkowski space as a solution to the Einstein-Vlasov system |
| 19:00 | | | | Dinner | |