BRUNO COUTINHO MUNDIM

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Citizenship: Brazilian

Date of Birth: July 06, 1976

EDUCATION

2002 - Present	Ph.D. in Physics University of British Columbia, CANADA Thesis in progress: *Numerical Studies of Boson Star Binaries* Supervisor: Prof. Matthew William Choptuik
2002	M.Sc. in Physics University of Brasília, BRAZIL Thesis:*Non-perturbative Renormalization in Statistical Physics* Supervisor: Prof. Paulo Sérgio da Silva Caldas
1998	B.Sc. in Physics University of Brasília, BRAZIL

ACADEMIC AWARDS, FELLOWSHIPS and HONORS

2006 - Present	International Partial Tuition Scholarship University of British Columbia
June/2004	Academic award for meritorious participation in the 1st Gravitational Wave Astronomy Summer School University of Texas at Brownsville - CGWA
June/2004	Award to participate in the 1st Gravitational Wave Astronomy Summer School and in the 1st Grid Summer Workshop University of Texas at Brownsville - CGWA
2003 - 2005	Ph.D. Tuition Fee Award University of British Columbia
2002 - Present	Research Assistantship University of British Columbia
2002 - Present	Teaching Assistantship University of British Columbia
2002 - 2003	Faculty of Graduate Studies International Graduate Tuition Scholarship University of British Columbia

ACADEMIC AWARDS, FELLOWSHIPS and HONORS (cont.)

1999 - 2001	CAPES M.Sc. Scholarship University of Brasília
1995 - 1998	PIBIC/CAPES [1]Scientific Initiation Scholarship 'Bolsa de Iniciação Científica PIBIC/CAPES' University of Brasília

RESEARCH INTERESTS

Numerical relativity, general relativity, modelling of gravitational radiation sources, black holes and compact objects physics, computational astrophysics and cosmology, theoretical and computational physics.

PROFESSIONAL AND TEACHING EXPERIENCE

2002 - Present	Research Assistant University of British Columbia Dept. of Physics and Astronomy
2002 - Present	Teaching Assistant University of British Columbia Dept. of Physics and Astronomy
2001 - 2002	Physics Teacher (grade 11, 12 level) Colégio Ícone (Ícone Highschool) Brasília - Brazil

TALKS AND SEMINARS (http://laplace.physics.ubc.ca/People/bruno/talks.html)

1. "A Numerical Study of Boson Star Binaries", First Graduate Committee Meeting presentation
2. "A Numerical Study of Boson Star Binaries", Student Theory Seminar Presentation
3. "Time functions in numerical relativity", GR (phys530b) term paper talk
4. "Maximum mass and maximum collapse function (z=2M/R) for boson star models", Numerical relativity (phys555) term paper presentation
5. "A Numerical Study of Boson Star Binaries", Second Graduate Committee Meeting presentation
6. "Isolated and Dynamical Horizons", Gravity meeting presentation
7. "A Numerical Study of Boson Star Binaries", Third Graduate Committee Meeting presentation

[1]Brazilian Funding Agencies

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CONFERENCES, MEETINGS and SCHOOLS

1. V Escola Brasileira de Estrutura Eletrônica Jorge André Swieca(*5th Jorge André Swieca Brazilian Electronic Structure School*), July 9-13, 1996, Águas de Lindóia-SP, Brazil. (talk)
2. 2º Congresso de Ininciação Científica da Unb (*2nd Unb Scientific Initiation Congress*), July 30-31, 1996, University of Brasília, Brasília-DF, Brazil. (talk)
3. 3º Congresso de Ininciação Científica da Unb (*3rd Unb Scientific Initiation Congress*), July 30-31, 1997, University of Brasília, Brasília-DF, Brazil. (talk)
4. 4º Congresso de Ininciação Científica da Unb (*4th Unb Scientific Initiation Congress*), August 12-13, 1998, University of Brasília, Brasília-DF, Brazil. (talk)
5. Graduate Summer School on General Relativistic Hydrodynamics, July 20-Aug 1, 2003, University of British Columbia, Vancouver, Canada.
6. 1st Gravitational Wave Astronomy Summer School, June 7-18, 2004, University of Texas at Brownsville - CGWA, South Padre Island, Texas, USA. (Best student award)
7. 1st Grid Summer Workshop, June 21-25, 2004, University of Texas at Brownsville - CGWA, South Padre Island, Texas, USA.
8. 11th Canadian Conference on General Relativity and Relativistic Astrophysics, May 19-21, 2005, University of British Columbia, Vancouver, Canada.
9. Unruh-Wald Fest, Aug 17-20 2006, University of British Columbia, Vancouver, BC, Canada.

PUBLICATIONS (http://laplace.physics.ubc.ca/People/bruno/talks.html)

1. B.C. Mundim, A.J. Penner, M. Swift, "Maximum mass and maximum collapse function (z=2M/R) for boson star models" (Under supervision of M.W. Choptuik) [in progress]

PUBLICATIONS (non-refereed)

1. Bruno C. Mundim, Geraldo Magela e Silva, (1996), Simulações Numéricas de Redes Neurais (*Numerical Simulations of Neural Networks*). ANAIS do 2º Congresso de Ininciação Científica da Unb (*2nd Unb Scientific Initiation Congress ANNALS*), page 238.
2. Bruno C. Mundim, Geraldo Magela e Silva, (1997), Redes Neurais Aplicadas ao Estudo de Propriedades Poliméricas (*Neural Networks applied to the study of polymeric properties*). ANAIS do 3º Congresso de Ininciação Científica da Unb (*3rd Unb Scientific Initiation Congress ANNALS*), page 103.
3. Bruno C. Mundim, Paulo Sérgio da Silva Caldas, (1998). Renormalização em Física Estatística e Teoria de Campos (*Renormalization in Statistical Physics and Field Theory*). ANAIS do 4º Congresso de Ininciação Científica da Unb (*4th Unb Scientific Initiation Congress ANNALS*), page 202.

REFERENCES

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