

Rafael Sfair

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Education

Universidade Estadual Paulista, Guaratinguetá, São Paulo BR

Ph.D. Physics

2007 - 2010

Thesis Topic: Dynamics of the small satellites and rings of Uranus

Advisor: Prof. Dra. Silvia M. Giuliatti Winter

Area of Study: Astronomy

Financial support: FAPESP

M.S. Physics

2005 - 2007

Thesis Topic: Analysis of the Saturn's F-ring Region

Advisor: Prof. Dra. Silvia M. Giuliatti Winter

Area of Study: Astronomy

Financial support: CNPq

Universidade Federal do Paraná, Curitiba BR

B.S. Physics

2001 - 2004

Financial support: UFPR / Tesouro Nacional

Recent working papers

Sfair, R.; Giuliatti Winter, S. M. "Analysis of the Saturn's F-ring Region".

In: XXXIII Reunião Anual da Sociedade Astronômica Brasileira, 2007.

Sfair, R.; Giuliatti Winter, S. M. "Análise do closest approach entre Prometeu e o anel F".

In: XXXII Reunião Anual da Sociedade Astronômica Brasileira, 2006.

Sfair, R.; Giuliatti Winter, S. M. "The effects of the solar radiation pressure on the F-ring particles".

In: 36th COSPAR Scientific Assembly, 2006

Giuliatti Winter, S. M.; Sfair, R.; Mourão, D. C.; Bastos, T. "Analysing the New Saturnian Rings, R/2004 S1 and R/2004 S2".

In: Earth, Moon and Planets, v. 97, p. 189-201, 2005.

Complete list: <http://www.sfair.org/lattes>

Research interests

Planetary ring dynamics

Dynamics of small bodies

Complementary formation

COSPAR Capacity Building Workshop on Planetary Science - 2007

Workshop on Occultations by Planetary Atmospheres - 2007

X Special Courses - Observatório Nacional - 2005

Technical skills

Programming: C, FORTRAN, Pascal, and UNIX shell scripting

Applications: L^AT_EX, T_EX, OpenOffice, Microsoft Office, and other common productivity packages for Linux platforms and Windows

Mathematical softwares: Maple, Mathematica and Maxima

Operating Systems: Linux and Microsoft Windows XP/2000

Official Member of Ubuntu Community and Leader of Ubuntu Brazilian Documentation Team