

Apl. Prof. Dr. Andreas Just

Curriculum Vitae

Address: Astronomisches Rechen-Institut (ARI)
Zentrum für Astronomie der Universität Heidelberg (ZAH)
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Date & place of birth: January 6, 1958, Bad Nauheim, Germany
Nationality: German

Present position: Staff Scientist , apl. Prof., Astronomisches Rechen-Institut

Background:

1999 – 2004	Part time for childcare (80%)
Since 1997:	Staff Scientist at Astronomisches Rechen-Institut, ZAH Heidelberg, Department Stellar Dynamics/Galactic
2012:	apl. Prof., University of Heidelberg
1994:	Venia Legendi for Astronomy, University of Heidelberg
1993:	Habilitation for Astronomy and Astrophysics (Fluctuation theory for the dynamics and evolution of molecular clouds), University of Heidelberg
1992 – 1996:	Postdoc (SFB 328) at ARI, University of Heidelberg
1987 – 1992:	Postdoc at the Institute for Theoretical Physics, University of Frankfurt
1987:	PhD in physics (summa cum laude), University of Frankfurt
1984 – 1987:	external PhD fellowship of the MPIfR (Bonn) at the Institute for Theoretical Physics, University of Frankfurt
1984:	1 st Staatsexamen in Mathematics/Physics (Peiffersche Identitäten), Institute for Mathematics, University of Frankfurt
1977 – 1984:	Studies of physics and mathematics, University of Frankfurt

Research Interests

- Structure, kinematics, dynamics, and evolution of spiral galaxies
- Star formation history and kinematic evolution of the Milky Way
- Theory of spiral density waves
- Theory of dynamical friction
- Stellar populations and chemical evolution of galactic discs
- Dynamical evolution of star clusters and satellite galaxies
- Orbital evolution of super-massive Black Holes in galactic nuclei

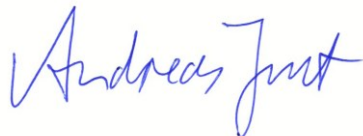
Scientific Committees

- Since 2005: Executive committee of the IMPRS-HD (International Max-Planck Research School for Astronomy and Cosmic Physics)
- Since 2005: 'Studienkommission' of the Faculty for Physics and Astronomy of Heidelberg University
- Since 2004: Coordinator of the lecture plan for astronomy at Heidelberg University

Five most important publications

In peer-reviewed journals:

- [1] **Just**, A., Khan, F. M., Berczik, P., Ernst, A., Spurzem, R. 2011, "*Dynamical friction of massive objects in galactic centres*", MNRAS, **411**, 653
- [2] **Just**, A., Jahrei, H. 2010, "*Towards a fully consistent Milky Way disc model: Part 1 The local model based on kinematic and photometric data*", MNRAS, **402**, 461
- [3] Khoperskov, A. V., **Just**, A., Korchagin, V. I., Jalali, M. A. 2007: "*High resolution simulations of unstable modes in a collisionless disc*", A&A, **473**, 31
- [4] **Just**, A., Mllenhoff, C., Borch, A. 2006, "*An evolutionary disc model of the edge-on galaxy NGC 5907*", A&A, **459**, 703
- [5] **Just**, A., Penarrubia, J. 2005, "Large scale inhomogeneity and local dynamical friction", A&A, **431**, 861



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