

CURRICULUM VITAE AND LIST OF PUBLICATIONS

JONATHAN BRAITHWAITE

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PERSONAL DATA

Date of birth: 30 December 1977
Place of birth: Kettering, United Kingdom
Nationality: British

EDUCATION

Oct. 2005 – present Visiting Scholar at the *Max-Planck-Institut für Astrophysik*
May 2004 – Sept. 2004 Scientific employee at the *Max-Planck-Institut für Astrophysik*
10 April 2004 Ph. D. in Astrophysics at the *University of Amsterdam*
 Thesis title: “Stable and unstable magnetic fields in stars”
 Promotor: Prof. Hendrik Spruit
Nov. 2000 – Apr. 2004 Research for Ph.D. at the *Max-Planck-Institut für Astrophysik*
 Supervisor: Prof. Hendrik Spruit
Oct. 1996 – June 2000 Master of Physics (MPhys) at the *University of Oxford*
 Awarded “first class” honours degree
 Ranked 2nd out of 151 students in final examinations
July 1995 – Aug. 1996 Performance Indicator Engineer at Nuclear Electric Ltd, U.K.
 Included intensive management course
Jan. 1983 – July 1995 Primary and secondary school in Faringdon, Oxfordshire, U.K.

CONFERENCES, MEETINGS & TALKS

- IAU Symposium No. 224 “The A-Star Puzzle” [oral presentation]
Poprad, Slovakia, 8 - 13 July 2004
- MPA Institute Seminar, March 2004
- Workshop on the “Magnetism and Activity of the Sun and Stars”
Toulouse, France, 17 - 21 Sept. 2002
- Conference of Nobel laureates and students of physics
Lindau, Germany, 25 - 29 June 2001

- Awarded college scholarship three years in succession, 1997 – 2000
- Awarded prize for best exam results in the school, 1995
- Oct. 2004 - Sept. 2005 Extensive travel in (amongst others) Eastern Europe and North Africa
- Computer skills
 - Experience in working on Linux, Unix and Windows machines
 - Programming: Fortran 90, IRIS Explorer, IDL, LaTeX, C++
- Languages
 - English: Mother tongue
 - German: Fluent, both spoken and written

PUBLICATIONS

Refereed Publications

- A fossil origin for the magnetic fields in A stars and white dwarfs
Jonathan Braithwaite & Hendrik Spruit
Nature 431, 819 (2004)
- A differential rotation driven dynamo in a stably stratified star
Jonathan Braithwaite
astro-ph/0509693, *Astronomy & Astrophysics*, in print
- Evolution of the magnetic field in magnetars
Jonathan Braithwaite & Hendrik Spruit
astro-ph/0510287, *Astronomy & Astrophysics*, in print

Submitted

- The stability of toroidal fields in stars
Jonathan Braithwaite
astro-ph/0512182, submitted to *Astronomy & Astrophysics*
- Stable magnetic fields in stellar interiors
Jonathan Braithwaite & Åke Nordlund
astro-ph/0510316, submitted to *Astronomy & Astrophysics*