

Curriculum Vitae for Julian Borrill

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Education

1984: MA in Maths & Political Science, Trinity College Cambridge
1990: MSc in Information Technology, Queen Mary College London
1990: MSc in Astrophysics, Queen Mary College London
1993: DPhil in Theoretical Physics, University of Sussex

Employment

1993 - 95: Postdoc, Theoretical Physics Group, Imperial College London
1995 - 97: Postdoc, Department of Physics & Astronomy, Dartmouth College
1997 - 99: Postdoc, NERSC Center, Berkeley Lab
1999 - : Staff Scientist, Computational Research Division, Berkeley Lab
& Senior Research Physicist, Space Sciences Laboratory, UC Berkeley

Community Service & Activities

Member, NASA Science Archive Working Group (2003 - 05)
Member, NASA Universe Working Group (2006 -)
Member, NASA 2004 MODA Senior Review
Chair, NASA 2006 MODA Senior Review

Selected Publications

1. 'Making sky maps from Planck data', M.A.J. Ashdown et al, submitted to *Astronomy & Astrophysics* (2006), astro-ph/0606348
2. 'Integrated Performance Monitoring of a Cosmology Application on Leading HPC Platforms', J. Borrill et al, Proceedings of the 34th International Conference on Parallel Processing, Oslo, Norway (2005).
3. 'Improved Measurement of the Angular Power Spectrum of Temperature Anisotropy in the CMB from Two New Analyses of BOOMERANG Observations', J. E. Ruhlet et al, *Astrophysical Journal* 599 (2003) 786-805, astro-ph/0212229
4. 'MAXIMA-1: A Measurement of the Cosmic Microwave Background Anisotropy on angular scales of 10 arcminutes to 5 degrees', S. Hanany et al, *Astrophysical Journal* 545 (2000) L5, astro-ph/0005123
5. 'A Flat Universe from High-Resolution Maps of the Cosmic Microwave Background Radiation', P. de Bernardis et al, *Nature* 404 (2000) 955-959, astro-ph/0004404
6. 'MADCAP - The Microwave Anisotropy Dataset Computational Analysis Package', J Borrill, Proceedings of 5th European SGI/Cray MPP Workshop, Bologna, Italy (1999), astro-ph/9911389