Curriculum Vitae

Reijo Keskitalo

Contact information

116 Esperanza Ave. Apt. B
91024 Sierra Madre, CA
U.S.A.
GSM: +1 (626) 262-6727
Email: Reijo.T.Keskitalo@jpl.nasa.gov

Personal Information

Born in Kontiolahti January 14th 1981. Married to Petra Keskitalo.

Education

2009	PhD in theoretical physics, University of Helsinki.
2006	Master's degree in theoretical physics (M.Sc.), University of Helsinki.
2001–2003	Studies in mathematics and computer science in University of Joensuu.
2000–2001	Conscript, reserve officer's course.
2000	Secondary school graduate, Joensuu's Normaalikoulu.

Work Experience

2009–	Jet Propulsion Laboratory, California Institute of Technology, Postdoctoral scholar
2007–2009	University of Helsinki, PhD student
2006	Helsinki Institute of Physics, PhD student
2005	University of Helsinki, research assistant
2004	University of Helsinki, course assistant
2003–2005	Citymarket Helsinki, Itäkeskus, part-time salesperson
2001–2003	Citymarket Joensuu, Kauppakatu, part-time salesperson

---

Languages

Finnish	mother tongue
Swedish	acceptable
English	fluent

List of publications and talks

Reijo Keskitalo (b. 1981)

October 17, 2009

Publications

1. E. Keihänen, R. Keskitalo, H. Kurki-Suonio, T. Poutanen, A.-S. Sirviö: *Making cosmic microwave background temperature and polarization maps with MADAM*, 2009, accepted for publication in A&A (arXiv:0907.0367)

2. H. Kurki-Suonio, E. Keihänen, R. Keskitalo, T. Poutanen, D. Maino and C. Burigana: *Destriping CMB temperature and polarization maps*, 2009, accepted for publication in A&A (arXiv:0904.3623)

3. R. Keskitalo: *Measuring the Cosmic Microwave Background : Topics along the analysis pipeline*, (PhD thesis) 2009. Available online at `http://urn.fi/URN:ISBN:978-952-10-4242-3`

4. R. Keskitalo et al.: *Residual noise covariance for Planck low-resolution data analysis*, 2009, submitted to A&A (arXiv:0906.0175)

5. M.A.J. Ashdown et al. (Planck Working Group 3): *Making Maps from Planck LFI 30GHz Data with Asymmetric Beams and Cooler Noise*, A&A, 493, 2, (2009), 753–783 (arXiv:0806.3167)

6. R. Keskitalo, H. Kurki-Suonio, V. Muhonen and J. Väliviita: *Hints of Isocurvature Perturbations in the Cosmic Microwave Background?* **JCAP09(2007)008**, (arXiv:astro-ph/0611917)

7. R. Keskitalo: *The Effect of Matter and Baryon Densities on the Cosmic Microwave Background Anisotropy*, (Master's thesis) 2005. Available online at `http://urn.fi/URN:NBN:fi-fe20061050`

Talks

1. "Residual noise covariance", Planck Joint Core Team Meeting, Paris 2008

2. "Residual noise correlation in the CMB maps", Finnish Cosmophysics meeting 2008, Turku

3. "Residual noise correlation in the CMB maps", Physics Days 2008, Turku
4. "Hints of Isocurvature Perturbations in the Cosmic Microwave Background", Physics Days 2007, Tallinn
5. "Constraining isocurvature modes in the primordial perturbations using WMAP 3 year data", Particle Physics Day, Helsinki, 2006