

Kim Jik Su

Position: Senior researcher

Period covered: July 1st, 2002 – October 31st, 2007



I Scientific Work

- Inflationary behavior of scalar field theory scenario and the speed of light. Physics (in Korean), 2003 – 2.8.
- A scalar field model of Supergravity and accelerated expansion of the Universe. Physics (in Korean), 2006 – 2.15.
- Cosmological significance of a generalization of Brance-Dicke Scalar-tensor theory. Physics (in Korean), 2008. Submitted.

II Conferences and educational activities

Conferences and Other External Scientific Work

2002. July 9th – July 15th. ICRA Regional Workshop, participant.

Work With Students

Special lectures: Gravitation and General Relativity, (80 hours/year) (2004 – 2006)
 Cosmology, general and special courses, (140 hours/year) (2005 – 2006)
 Particle physics, (70 hours/year) (2005 – 2007)

Diploma thesis supervision

Kim Chul-Jun: Non-minimally coupled scalar fields and accelerated expansion of the Universe, (2004 – 2007)

Kim Guang-III: Dynamics of the accelerated expansion of the Universe according to a scalar field model of Supergravity, (2004 – 2007)

III Other

October 16, 2003 – November 15, 2003: Visiting ICRA and Astronomical Observatories of Italy (Asiago and Napoli), and discussing further collaboration between ICRA and Korean scientists.

IV 2007-2008 List of Publications

Cosmological significance of a generalization of Brans-Dicke scalar-tensor theory. Physics (in Korean). 2007. Submitted