

## Starobinsky Alexei A.

Position: Professor



### I Scientific Work

1. Scalar-tensor models and baryon acoustic oscillations (with R. Gannouji, D. Polarski and A. Ranquet).
2. Axial inhomogeneities in WMAP's cosmic microwave background maps (with V. Gurzadyan et al.)

### II Conferences and educational activities

#### Conferences and Other External Scientific Work

Organization and participation in the Cosmology workshop "Montpelleier-07",  
Montpellier (France), 25-26.10.2007.

#### Other Teaching Duties

Course of lectures "Dark energy in the Universe"

### III 2007-2008 List of Publications

K. A. Bronnikov, A. A. Starobinsky.

No realistic wormholes from ghost-free scalar-tensor phantom dark energy.  
Pisma v Zh. Eksp. Teor. Fiz. 85, 3, 2007 (JETP Lett. 85, 1, 2007).

U. Alam, V. Sahni, A. A. Starobinsky.

Exploring the properties of dark energy using type Ia supernovae and other datasets.  
J. Cosm. Astropart. Phys. 0702, 011, 2007.

C. Kiefer, I. Lohmar, D. Polarski, A. A. Starobinsky.

Pointer states for primordial fluctuations in inflationary cosmology.  
Class. Quant. Grav. 24, 1699, 2007.

E. W. Kolb, A. A. Starobinsky, I. I. Tkachev.

Trans-Planckian wimpzillas.  
J. Cosm. Astropart. Phys. 0707, 005, 2007.

A. A. Starobinsky.

Disappearing cosmological constant in  $f(R)$  gravity.  
Pisma v Zh. Eksp. Teor. Fiz. 86, 183, 2007 (JETP Lett. 86, 157, 2007)