OPEN WEB-RESOURCES OF SAO RAS FOR EXTRAGALACTIC RESEARCH

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The sky survey at various wavelength bands is one of the most important branches of the modern observational astrophysics. To the present moment, several data bases unify resulting data of such surveys. We consider here Web-resources designed for radio astronomical and extragalactic study and operating in the Special Astrophysical Observatory. We describe structure, operation, standard tasks and the current status of the largest data bases in respective astrophysics fields. They are the data base of radio astronomical and astrophysical catalogs CATS (`http://cats.sao.ru`) (Verkhodanov et al. 1997, 2005) and the SED (Verkhodanov et al. 2000) which is an analysis system of spectral energy distribution (`http://sed.sao.ru`). These servers were unified in a one cluster and are used both for separate source and statistical studies in astrophysics and cosmology. A new site (`cmb.sao.ru`) is prepared for cosmology. It was worked out with the same approach as the above mentioned. It bases on the GLESP (Doroshkevich et al. 2005) package and allows a user to transform spherical harmonics to full sky maps. It contains the WMAP CMB and foreground maps and corresponding files with $a_{\ell m}$ coefficients of spherical harmonics. We plan to unify all three servers into one cluster for acceleration of investigation in the field of cosmology and astrophysics.

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