

## Joint Discussion 16. Poster papers

### 1. State of the art of the implementation of the IAU resolutions and the ICRS

Searching candidate radio sources for the link with the future *Gaia* frame

*P. Charlot, J.-F. Le Campion, & G. Bourda*

New data of linking optical-radio reference frames

*Z. Aslan, I. Khamitov, R. Gumerov W. Jin, Z. Tang, & S. Wang*

Systematic errors and combination of the individual CRF solutions in the framework of the international project for the next ICRF

*J. Sokolova, & Z. Malkin*

Kinematic control of the inertiality of the system of *Tycho-2* and UCAC2 stellar proper motions

*V.V. Bobylev, & M.Yu. Khovritchev*

VLA radio star measurement of the rotation of the *Hipparcos* frame with respect to the ICRF

*D.A. Boboltz, A.L. Fey, W.K. Puatua, N. Zacharias, M.J. Claussen, et al.*

Deep Astrometric Standards

*I. Platais, S.G. Djorgovski, C. Ducourant, A. Fey, S. Frey, Z. Ivezić, et al.*

Better accuracy of *Hipparcos* proper motions in declination for stars observed with 10 Photographic Zenith Tubes

*G. Damljanović, & J. Vondrák*

Torino Observatory Parallax Program in the Catalog of Nearby Stars

*R.L. Smart, M.G. Lattanzi, H. Jahreiß, B. Bucciarelli, & G. Massone*

The influence of choice of fundamental catalogue on calculated apparent places of stars

*M. Sekowski*

Connection between ICRS and ITRS consistent with IAU 2000 resolutions

*I.I. Kumkova, & M.V. Stepashkin*

Earth orientation catalogue EOC-3: an improved optical reference frame

*V. Štefka, & J. Vondrák*

Catalogue of reference stars for observation of extragalactic radio sources of the Northern Sky

*V. Ryl'kov, N. Narizhnaja, A. Dement'eva, G. Pinigin, N. Maigurova, et al.*

Estimation of CRF and TRF from VLBI observations by the Least Squares Collocation method

*S.L. Kurdubov*

Computation of the veritable inclination between FK5 and *Hipparcos* equators: a critical discussion

*M.J. Martínez, F.J. Marco, & J.A. López*

The Russian astronomical yearbooks and IAU 2000 resolutions

*N.I. Glebova, M.V. Lukashova, G.A. Netsvetaeva, & M.L. Sveshnikov*

### 2. Precession and the Ecliptic

Precession-nutation solution consistent with the general planetary theory

*V.A. Brumberg, & T.V. Ivanova*

New expressions for the celestial coordinates of the CIP

*M. Folgueira, N. Capitaine, & J. Souchay*

Comparison of the nutation theories with the VLBI observations

*V.E. Zharov, & S.L. Pasynok*

Comparison of nutation series from GPS and VLBI observations using IAU80 and IAU2000 nutation models

*K. Snajdrová, S. English, R. Weber, & H. Schuh*

### 3. High accuracy models for reducing astronomical observations

Limitations on some physical parameters from position observations of planets

*E.V. Pitjeva*

Model of atmospheric radiation for large field radio astronomical data reduction

*S. Rys, & M. Urbanik*

Relativistic ray tracing applied to a rotating optical system

*Anglada-Escudé, G., Klioner, S.A., Soffel, M., & Torra, J.*

VLBI antenna thermal deformation

*E.A. Skurikhina*

### 4. New terminology in fundamental astronomy, time and relativity

About the reference axis of the rotation of the Earth

*R.O. Vicente*

Weak microlensing effect and stability of pulsar time scale

*M.S. Pshirkov, & M.V. Sazhin*

Relativistic angular distance using Synge's world function

*C. Le Poncin-Lafitte, & P. Teyssandier*

Positioning systems and relativity

*J.-F. Pascual-Sánchez*

### 5. Scientific applications of high accuracy astronomy

Ten years timing of millisecond pulsars at Kalyazin

*Yu.P. Ilyasov, & V.V. Oreshko*

The Parkes Pulsar Timing Array Project

*R.N. Manchester*

Preliminary results in asteroid mass determination

*Z. Aslan, I. Khamitov, R. Gumerov, L. Hudkova, A. Ivantsov, & G. Pinigin*

Evidences of correlations between masses and minor planets elements. Analysis of the sources of errors

*F.J. Marco, M.J. Martínez, & J.A. López*

On geophysical excitation of prograde diurnal Polar Motion

*M.V. Kudryashova, A. Brzezinski, & S.D. Petrov*

Atmospheric excitation of UT1 variations during CONT05 campaign

*Y. Masaki*

High frequency variability in Earth rotation break from VLBI and GNSS data

*S. English, K. Snajdrova, R. Weber, & H. Schuh*

Optimum parameterization in estimating sub-daily earth rotation parameters with Very Long Baseline Interferometry

*P.J. Mendes Cerveira, J. Böhm, S. English, R. Weber R., & H. Schuh*

Variations of the second order harmonics of geopotential from the analysis of the Lageos and Etalon SLR data for 1988-2003

*T. V. Ivanova, & N. V. Shuygina N. V.*

Hydrological excitation of polar motion

*J. Nastula , & B. Kólaczek*

CONT05: High-frequency Earth rotation parameters from VLBI observations

*E. A. Skurikhina, S. L. Kurdubov, A. V. Ipatov, A. M. Finkelstein, et al.*