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Personal Information

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International Researcher IDs

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Education Information

Doctorate, National Academy Of Sciences Of Ukraine, Main Astronomical Observatory, Astrometry And Celestial Mechanics, Ukraine 2000 - 2007

Postgraduate, Mykolaiv National University Named After V. Sukhomlinsky, Faculty Of Physics And Mathematics, Physics And Astronomy, Ukraine 1992 - 1997

Foreign Languages

French, B1 Intermediate

Ukrainian, C1 Advanced

English, C1 Advanced

Russian, C1 Advanced

Dissertations

Doctorate, Determination of Masses of Large Asteroids Using Ground-Based Positional Observations, National Academy Of Sciences Of Ukraine, Main Astronomical Observatory, Astrometry And Celestial Mechanics, 2007

Postgraduate, Photometrical Methods in Physics and Their Use in Astronomical Observations, Mykolaiv National University Named After V. Sukhomlinsky, Faculty Of Physics And Mathematics, Physics And Astronomy, 1997

Research Areas

Physics, Astronomy and Astrophysics, Sun and Solar Systems, Astronomy and Astrophysics: Instrumentation Techniques and Observations, General Physics, Physics and astronomy tools and devices, Natural Sciences

Academic and Administrative Experience

Courses

Artificial Satellite Dynamics, Postgraduate, 2019 - 2020, 2018 - 2019
Earth Rotation and Basic Gravimetry, Postgraduate, 2019 - 2020, 2018 - 2019
Bayesian Methods for the Physical Sciences, Doctorate, 2018 - 2019
Advanced Astrometry, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Measurements and Statistical Inferences in Astronomy, Doctorate, 2017 - 2018

Jury Memberships

Doctorate, Astrometry and Celestial Mechanics, National Aviation University, March, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The astrometric Gaia-FUN-SSO observation campaign of 99 942 Apophis**
Thuillot W., Bancelin D., IVANTSOV A., Desmars J., Assafin M., Eggl S., Hestroffer D., Rocher P., Carry B., David P., et al.
ASTRONOMY & ASTROPHYSICS, vol.583, 2015 (SCI-Expanded)
- II. **Astrometry at the RTT150 telescope within the international collaboration between KSU (Russia), TUG (Turkey), and NAO (Ukraine)**
Aslan Z., Khamitov I., Gumerov R., Ibragimov A., Nemtinov A., IVANTSOV A., Hudkova L., Pinigin G., Shulga A.
KINEMATICS AND PHYSICS OF CELESTIAL BODIES, vol.SUPPLEMENT, pp.523-527, 2005 (SCI-Expanded)
- III. **CCD observations of minor planets in Mykolaiv in 2002--2003**
Hudkova L., IVANTSOV A., Gorel G.
KINEMATICS AND PHYSICS OF CELESTIAL BODIES, vol.SUPPLEMENT, pp.431-433, 2005 (SCI-Expanded)
- IV. **Observations of asteroids with CCD telescopes according to the programme of international co-operation between Mykolaiv Astronomical Observatory (NAO), Institute of Applied Astronomy (IAA), and Bordeaux Astronomical Observatory (BAO)**
IVANTSOV A., Kovalchuk A., Martynov M., Pinigin G., Pishnenko V., Pozhalova Z., Shulga A., Chernetenko Y., Shor V., Rapaport M., et al.
KINEMATICS AND PHYSICS OF CELESTIAL BODIES, vol.SUPPLEMENT, pp.225-226, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **The international astrometric network for astrodynamical studies of asteroids: asteroid mass determination and physical properties of PHAS**
IVANTSOV A., Eggl S., Hestroffer D., Eker Z., Kaplan M., Erece O., Godunova V., Simon A., Vasylenko V.
Notes scientifiques et techniques de l'Institut de mécanique céleste, vol.S106, pp.103-106, 2017 (Peer-Reviewed Journal)
- II. **Minor Planet Observations [089 Nikolaev]**
Pinigin G., Shulga O., IVANTSOV A., Sybiryakova Y., Kozyryev Y., Kulichenko N., Vovk V.
The Minor Planet Circulars, pp.81615, 2012 (Peer-Reviewed Journal)
- III. **Results of Observations of Selected Asteroids at the New Telescope Mobitel of NAO in 2011-12**
IVANTSOV A., Pomazan A., Kryuchkovskiy V., Gudkova L.
ODESSA ASTRONOMICAL PUBLICATIONS, vol.25, pp.66-68, 2012 (Peer-Reviewed Journal)
- IV. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Sybiryakova Y., Kozyryev Y., Kulichenko N., Vovk V., Shulga O.
The Minor Planet Circulars, pp.76732, 2011 (Peer-Reviewed Journal)
- V. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Pyshnenko V., Sybiryakova Y., Kozyryev Y., Vovk V., Pozhalova Z.

- The Minor Planet Circulars, pp.76329, 2011 (Peer-Reviewed Journal)
- VI. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Sybiryakova Y., Kozyryev Y., Pyshnenko V., Pozhalova Z.
The Minor Planet Circulars, pp.75400, 2011 (Peer-Reviewed Journal)
- VII. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Sybiryakova Y., Kozyryev Y., Pyshnenko V.
The Minor Planet Circulars, pp.74381, 2011 (Peer-Reviewed Journal)
- VIII. **Minor Planet Observations [568 Mauna Kea]**
Pittichova J., Yoshida F., Bernardi F., Fournier J., Thirouin A., IVANTSOV A., Assafin M.
The Minor Planet Circulars, pp.71067, 2010 (Peer-Reviewed Journal)
- IX. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Sybiryakova Y., Kozyryev Y., Pyshnenko V., Pozhalova Z.
The Minor Planet Circulars, pp.65037, 2009 (Peer-Reviewed Journal)
- X. **Mass Determination of Small Solar System Bodies with Ground-based Observations**
Aslan Z., Gumerov R., Hudkova L., IVANTSOV A., Khamitov I., Pinigin G.
ASP CONFERENCE SERIES, vol.370, pp.52-57, 2007 (Peer-Reviewed Journal)
- XI. **Observational Programs and First Results of Selected Asteroid Observations at RTT150 within International Cooperation**
Aslan Z., Gumerov R., Hudkova L., IVANTSOV A., Khamitov I., Nemtinov A., Pinigin G., Zelikov S.
ROMANIAN ASTRONOMICAL JOURNAL, vol.16, pp.11-17, 2006 (ESCI)
- XII. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Pyshnenko V., Pozhalova Z.
The Minor Planet Circulars, pp.57111, 2006 (Peer-Reviewed Journal)
- XIII. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Gudkova L., Pyshnenko V., Procyuk S., Pozhalova Z.
The Minor Planet Circulars, pp.56149, 2006 (Peer-Reviewed Journal)
- XIV. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Gudkova L., Pozhalova Z.
The Minor Planet Circulars, pp.53630, 2005 (Peer-Reviewed Journal)
- XV. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Gudkova L., Pyshnenko V., Pozhalova Z.
The Minor Planet Circulars, pp.52494, 2004 (Peer-Reviewed Journal)
- XVI. **Minor Planet Observations [089 Nikolaev]**
IVANTSOV A., Pyshnenko V., Pozhalova Z.
The Minor Planet Circulars, pp.44683, 2002 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of PHA's close encounter predictions**
IVANTSOV A., Hestroffer D., Desmars J., Thuillot W., David P.
European Planetary Sciences Congress, Geneva, Switzerland, 15 - 20 September 2019, vol.13, pp.1
- II. **Performance of Akdeniz University Telescopes**
BAKIŞ V., IVANTSOV A., EKER Z., KAPLAN M., Yücel G., Aslan G., Dartıcı M. F.
Dynamics and Physics of Asteroids, TNOs and Natural Satellites in the New Era of Gaia Data, Antalya, Turkey, 4 - 06 September 2019
- III. **Comparison of predictions of asteroids' close encounters with the Earth**
Hestroffer D., IVANTSOV A., Thuillot W., Desmars J., David P.
AAS Division on Dynamical Astronomy Meeting #50, Boulder, Colorado, United States Of America, 10 - 13 June 2019, pp.1
- IV. **Statistics of the Close Encounters Predictions by the World Services**

- IVANTSOV A., Hestroffer D., Desmars J., Thuillot W., David P.
6th IAA Planetary Defense Conference, Washington, Dc, United States Of America, 29 April - 03 May 2019, pp.1
- V. **Atmospheric Seeing Measurements Using Observations at Different Telescopes in Antalya Region**
IVANTSOV A., BAKIŞ V., EKER Z., TUNÇ E.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.197
- VI. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204
- VII. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204
- VIII. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204
- IX. **Prospects for asteroid mass determination from close encounters between asteroids: ESA's Gaia space mission and beyond**
IVANTSOV A., Hestroffer D., Eggl S.
330th Symposium of the International-Astronomical-Union (IAU), Nice, France, 24 - 28 April 2017, vol.12, pp.386-390
- X. **On the degradation of asteroid astrometry due to background objects**
IVANTSOV A., Eggl S., Hestroffer D., Thuillot W., Assafin M.
IAU Symposium 318 - Asteroids: New Observations, New Models, 3 - 14 August 2015, no.2256622, pp.1
- XI. **Precision of astrometry measurements made using CoLiTec software for asteroid surveys**
Khlamov S., IVANTSOV A., Savanevich V., Bryuhovetskiy A., Elenin L., Sokovikova N., Movsesian I.
Gaia Follow-up Network for Solar System Objects #3, Paris, France, 24 - 26 November 2014, pp.111-114
- XII. **On visual encounters between asteroids and background stars**
IVANTSOV A., Eggl S., Hestroffer D., Thuillot W., Assafin M.
Gaia Follow-up Network for Solar System Objects #3, Paris, France, 24 - 26 November 2014, pp.65-70
- XIII. **The Gaia-FUN-SSO observation campaign of 99942 Apophis: A preliminary test for the network**
Bancelin D., Thuillot W., IVANTSOV A., Desmars J., Assafin M., Eggl S., Hestroffer D., Rocher P., Carry B., David P.
Gaia Follow-up Network for Solar System Objects #3, Paris, France, 24 - 26 November 2014, pp.61-64
- XIV. **Gaia-FUN-SSO: Triangulation Observations of 2014 HQ124**
Eggl S., IVANTSOV A., Gerlach E., Böttger S., Thuillot W., Baransky A., Devyatkin A., Bashakova E., Rusov S., Gorshanov D., et al.
Gaia Follow-up Network for Solar System Objects #3, Paris, France, 24 - 26 November 2014, pp.71-75
- XV. **Gaia contribution to the dynamics of Solar System Objects**
Hestroffer D., Berthier J., Carry B., David P., Thuillot W., Arlot J., Bancelin D., Fouchard M., IVANTSOV A., Kovalenko I., et al.
European Planetary Sciences Congress, Cascais, Portugal, 7 - 12 September 2014, vol.9, pp.1
- XVI. **Solar System dynamics with the Gaia mission**
Hestroffer D., Berthier J., Carry B., David P., Lainey V., Thuillot W., Arlot J., Bancelin D., Colas F., Desmars J., et al.
Journées 2013 "Systèmes de référence spatio-temporels", Paris, France, 16 - 18 September 2013, pp.259-262
- XVII. **On future opportunities to observe gravitational scattering of main belt asteroids into NEO source regions**
IVANTSOV A., Eggl S., Hestroffer D., Thuillot W.
Journées 2013 "Systèmes de référence spatio-temporels", Paris, France, 16 - 18 September 2013, pp.259-262
- XVIII. **Observational program for determination of asteroid masses with Gaia from ground and space-based astrometry**

IVANTSOV A., Hestroffer D., Thuillot W., Bancelin D.

European Planetary Sciences Congress, London, United Kingdom, 8 - 13 September 2013, vol.8, pp.1

- XIX. Gaia contribution to the dynamics of Solar System Objects**
Hestroffer D., David P., Berthier J., Carry B., Lainey V., Tanga P., Thuillot W., Arlot J., Bancelin D., Fouchard M., et al.
European Planetary Sciences Congress, London, United Kingdom, 8 - 13 September 2013, vol.8, pp.1
- XX. High Precision Astrometry in Asteroid Mitigation - the NEOShield Perspective**
Eggl S., IVANTSOV A., Hestroffer D., Perna D., Bancelin D., Thuillot W.
Société Française d'Astronomie et d'Astrophysique SF2A-2013, Montpellier, France, 4 - 07 June 2013, pp.169-176
- XXI. Archive of photographic plates in Nikolaev Observatory and some results obtained from them**
IVANTSOV A., Hudkova L., Gorel G.
NAROO--GAIA Workshop: A new reduction of old observations in the Gaia era, Paris, France, 20 - 22 May 2013, pp.147-151
- XXII. Asteroid masses with Gaia from ground and space-based observations**
IVANTSOV A., Hestroffer D., Thuillot W., Bancelin D.
EGU General Assembly, Vienna, Austria, 7 - 12 April 2013, vol.15, pp.1
- XXIII. Astrometric Observations of (1665) Gaby, and (1565) Lemaître Asteroids at Tubitak National Observatory (TUG)**
Uysal Ö., HELVACI M., IVANTSOV A., EKER Z., KAPLAN M., Özişik T., Kaynar S.
GAIA-FUN-SSO 2012 Second "Gaia Follow-up Network for Solar System Objects" Workshop, Paris, France, 19 - 21 September 2012
- XXIV. Astrometrical observations of the near-Earth asteroid 308635 (2005 YU55) in Nikolaev**
IVANTSOV A.
Gaia Follow-Up Network for the Solar System Objects #2, Paris, France, 19 - 21 September 2012, pp.81-83
- XXV. Progress of astrometric research in Nikolaev Observatory**
IVANTSOV A., Maigurova N., Martynov M., Pinigin G.
XXVIII IAU General Assembly, Joint Discussion 7, Beijing, China, 20 - 31 August 2012, no.24, pp.1
- XXVI. Analysis of Astrometry and Photometry Observations of Asteroids at the RTT150**
IVANTSOV A., Gumerov R., Khamitov I., Aslan Z., Thuillot W., Pinigin G., Hestroffer D., Mouret S.
Gaia follow-up network for the solar system objects #1, Paris, France, 29 November - 01 December 2010, pp.93-96
- XXVII. Astrometry Correction for Chromatic Refraction**
IVANTSOV A.
Gaia follow-up network for the solar system objects #1, Paris, France, 29 November - 01 December 2010, pp.127-129
- XXVIII. Masses of Asteroids 10 Hygiea and 152 Atala Obtained by the Dynamical Method**
Chernetenko Y., IVANTSOV A.
Protecting the Earth against Collisions with Asteroids and Comet Nuclei, St. Petersburg, Russia, 21 - 25 September 2010, pp.46-49
- XXIX. Mass determination of small solar system bodies with ground-based observations**
Aslan Z., Gumerov R., Hudkova L., IVANTSOV A., Khamitov I., Pinigin G.
Workshop on Solar and Stellar Physics through Eclipses, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.52-53
- XXX. Photometric observations of the mutual events of the Galilean satellites of Jupiter made at Nikolaev Astronomical Observatory in 2002-2003**
Arlot J., Gorel G., Hudkova L., IVANTSOV A., Kozyrev E.
Journées 2003 Systèmes de référence spatio-temporels: Astrometry, Geodynamics and Solar System Dynamics: from milliarcseconds to microarcseconds", St. Petersburg, Russia, 22 - 25 September 2003, pp.275-278

Supported Projects

IVANTSOV A., Other International Funding Programs, Research of motion of large and small bodies of the Solar system, 2011 - 2012

Memberships / Tasks in Scientific Organizations

American Astronomical Association (AAS), Member, 2015 - Continues

European Geosciences Union (EGU), Member, 2013 - Continues

International Astronomical Union (IAU), Member, 2009 - Continues

Scientific Refereeing

Monthly Notices of the Royal Astronomical Society, SCI Journal, April 2016

Celestial Mechanics and Dynamical Astronomy, SCI Journal, July 2015

Planetary and Space Science, SCI Journal, July 2015

Metrics

Publication: 50

Citation (WoS): 13

Citation (Scopus): 5

H-Index (WoS): 2

H-Index (Scopus): 1

Congress and Symposium Activities

International Astronomical Union Symposium 348 "21st Century Astrometry: crossing the Dark and Habitable frontiers", Attendee, Vienna, Austria, 2018

International Astronomical Union Symposium 330 "Astrometry and Astrophysics in the Gaia Sky", Attendee, Nice, France, 2017

International Astronomical Union Symposium 318 "Asteroids: New Observations, New Models", Attendee, Hawaii, United States Of America, 2015

International Astronomical Union Symposium 310 "Complex Planetary Systems", Attendee, Namur, Belgium, 2014

International Astronomical Union Joint Discussion 7 "Space-Time Reference Systems for Future Research", Attendee, Beijing, China, 2012

Awards

IVANTSOV A., One-Year Scholarship "Research in Paris", City of Paris, France, June 2012

IVANTSOV A., Scholarship "Yury Drohobych", Ukrainian Astronomical Association, May 2008