

Poster Presentation

[S1 : Solar System and Sun-Earth Interactions]

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- P1-01** **Linear Stability of Triangular Equilibrium Points in Photogravitational Restricted Three Body Problem with Triaxial Rigid Bodies, Bigger One Oblate Spheroid and Source of Radiation**
Avdesh Kumar (Institute of Engineering & Technology, India) and B. Ishwar
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- P1-02** **Non-linear Stability in Photogravitational Non-Planar Restricted Three Body Problem with Oblate Smaller Primary**
B. Ishwar (B. R. A Bihar University) and J.P. Sharma
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- P1-03** **Motion in the Vicinity of Libration Points in the Sun-(Earth-Moon) Bicircular System with Poynting-Robertson and Solar Wind Drag**
Ashok Kumar Pal (Indian School of Mines, India) and Badam Singh Kushvah
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- P1-04** **Disturbances in Solar Wind Plasma Parameters In Relation with X and M Class X- Ray Solar Flare Related Intense Geomagnetic Storms**
P. L. Verma (A. P. S. University Rewa M. P. India, India)
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- P1-05** **Ground Level Enhancements In Relation with Energetic Solar Features and Disturbances in Solar Wind Plasma Parameters**
P. L. Verma (A. P. S. University Rewa M. P. India, India)
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- P1-06** **Statistical Relation of Geomagnetic Activity Parameters with Solar Activity Parameters**
P. L. Verma (A. P. S. University Rewa M. P. India, India) and Brijesh Singh
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- P1-07** **Nonlinear Force-Free Modeling of the Coronal Magnetic Field Producing the Large Solar Flares**
Satoshi Inoue (Kyung Hee University, Korea) and Jihye Kang
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- P1-08** **Lunar Gene Bank for Endangered Species**
Swain, R. K. (D.A.V. Public School, India) and Behera D.
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- P1-09** **Enhanced Meteor Detection Radar (EMDR) Installed at Tirupati: First Results and Wind Comparison**
E. Kosalendra (Sri Venkateswara University, India), S. Eswariah, S. Vijaya Bhaskara Rao, M. Venkat Ratnam, K. Kishore Kumar, S. Sathish Kumar, and S. Gurubaran
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- P1-10** **Polarimetric Studies of Comet C/2012 L2 (LINEAR)**
Parizath Deb Roy (Assam University, India), Himadri Sekhar Das, and Biman J. Medhi
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- P1-11** **Magnetic Flux-Current Surfaces of Magnetohydrostatic Equilibria**
Kap-Sung Kim (Kyung Hee University, Korea), G. S. Choe, Satoshi Inoue, and Minhwan Jang

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- P1-13** **Proper Temporal Integration of Polarization Signals in the Quiet Sun Internetwork to Improve Signal-to-Noise Ratio**
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- P1-14** **Relationship between the Neutron Time Delay Distribution and the Rigidity Spectrum of Primary Cosmic Rays**
Pierre-Simon Mangearde (Mahidol University, Thailand), David Ruffolo, Alejandro Saiz, Waraporn Nuntiyakul, John W. Bieber, Paul Evenson, Roger Pyle, Marcus Leslie Duldig, and John Humble
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- P1-15** **Geomagnetic Indices Frequency-Modulated by Solar Rotation**
Heon-Young Chang (Kyungpook National University, Korea)
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- P1-16** **Multi-wavelength Observation of Initiation Phase of Filament Eruption**
Sujin Kim (Korea Astronomy and Space Science Institute, Korea), Sung-Hong Park, and Kyung-Suk Cho
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- P1-17** **Study of Solar Quiet Daily Variation at Sonmiani Geomagnetic Observatory, Pakistan**
AAbdul Salam Kumbher (Pakistan Space and Upper Atmosphere Research Commission, Pakistan), Zain Rahim, Asim Waris, and Muneeza Muhammad Ali
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- P1-18** **Low/Mid-latitude Ionospheric Irregularities and Scintillation Climatology**
A. M. Abdallah (Helwan University, Egypt), F. Hussein, A. M. Mahrous, and K. M. Groves
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- P1-19** **Laboratory Simulation of Light Scattering from Regolith Analogue: Effect of Porosity**
Amritaksha Kar (Assam University, India), Asoke Kumar Sen, and Ranjan Gupta
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- P1-20** **Multi-wavelength Fibril Dynamics and Oscillations Above Sunspot – Wave Propagation**
Emanuel Sungging Mumpuni (Faculty of Mathematics and Natural Science, ITB, India), Dhani Herdiwijaya, Mitra Djamal, and Thomas Djamaluddin
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- P1-21** **A Possibility of Modulating the Near-Earth Space Environment by Mercury**
Jung-Hee Kim (Kyungpook National University) and Heon-Young Chang
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- P1-22** **Statistical Properties of Geomagnetic Activity Indices and Solar Wind Parameters**
Jung-Hee Kim (Kyungpook National University) and Heon-Young Chang
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- P1-23** **Trace Elemental Distribution of Dergaon Meteorite**
P. Dutta (Dimoria College, India) and K. Duorah
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- P1-24** **Comparison of ICME Arrival Times and Solar Wind Parameters based on the WSA-ENLIL Model with Three Cone Types and Observations**
Soojeong Jang (Kyung Hee University, Korea), Yong-Jae Moon, and HyeonOck Na

P1-25 Comparison of 3-D CME Parameters from Single and Multi-Spacecraft Observations

Harim Lee (Kyung Hee University, Korea), Yong-Jae Moon, Hyeonock Na, Soojeong Jang, and Jae-Ok Lee

P1-26 MHD Waves in a Stratified Viscous Solar Atmosphere

Nagendra Kumar (M. M. H. College, India) and Anil Kumar

P1-27 Characteristics of Marginally Decelerating Coronal Mass Ejections

V. C. Dwivedi (NCRA-TIFR, India) and P. K. Manoharan

P1-28 Comparison of Daily Solar Flare Peak Flux Forecast Models by Regressive and Neural Network Methods

Seulki Shin (Kyung Hee University, Korea), Jin-Yi Lee, and Yong-Jae Moon

P1-29 Dependence of Energetic Electron Precipitation on the Type of Magnetic Storms

Mi-Young Park (Chungbuk National University, Korea), Dae-Young Lee, Dae-Kyu Shin, Drew Turner, Jung-Hee Cho, and Eun-Hee Lee

P1-30 On the Dynamics and Stability of Filament and Associated Flux Rope

Navin Chandra Joshi (Kyung Hee University, Korea), Tetsuya Magara, and Satoshi Inoue

P1-31 Multi-band Observations of Recent Active Comets

Myung-Jin Kim (Korea Astronomy and Space Science Institute, Korea), Y.-J. Choi, Y.-M. Lim, H.-K. Moon, M. Sohn, and K.-T. Kim

P1-32 Confirmation of the Relation between Anisotropy of Energetic Electron Distribution and Chorus Wave Occurrence using RBSP Satellites Observation

Dong-Hee Lee (Chungbuk National University, Korea), Dae-Young Lee, Dae-Kyu Shin, and Jin-Hee Kim

P1-33 Prediction Model of the Electron Flux in Geosynchronous Orbit using Neural Network

D.-K. Shin (Chungbuk National University, Korea), K.-C. Kim, and D.-Y. Lee

P1-34 Moreton Waves Related to the Flare Events of June 3, 2012 and July 6, 2012

Agustinus Gunawan Admiranto (National Institute of Aeronautics and Space, Indonesia) and Rhorom Priyatikanto

P1-35 Relation between the Outer Radiation Belt Structure and the Plasmopause

Junghee Cho (Chungbuk National University, Korea), Dae-Young Lee, Jin-Hee Kim, Dae-Kyu Shin, and Drew Turner

P1-36 Prediction Model for a Global Distribution of Whistler Chorus Waves Optimized for Solar Ascending Phase Years

Jinhee Kim (Chungbuk University, Korea), Dae-Young Lee, Jung-Hee Cho, Dae-Kyu Shin, Kyung-Chan Kim, Wen Li, and Thomas K. Kim

P1-37 The Sonmiani Geomagnetic Field Effects of High Speed Solar Wind Stream Emanating from Coronal Holes during 2010

Muneeza M. Ali (Pakistan Space & Upper Atmosphere Research Commission, Pakistan) and Madeeha Ashfaq

P1-38 Analysis of GPS-TEC Variations during the Rising Phase of Solar Cycle 24

Byeong Hyun Kang (Korea Advanced Institute of Science and Technology, Korea) and Sun Mie Park

P1-39 Characterization of Thermal and Non-Thermal Emission during the Precursor and Main Phase of Solar Flares

Arun K. Awasthi (Aryabhata Research Institute of observational sciences, India), Rajmal Jain, and Wahab Uddin

P1-40 Magnetic-Reconnection Generated Shock Waves as a Driver of Surges

Heesu Yang (Seoul National University, Korea), Jongchul Chae, Eun-Kyung Lim, Kyoung-sun Lee, Hyungmin Park, Dong-uk Song, and Kyuhyoun Cho

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P. L. Verma (A. P. S. University Rewa M. P. India, India) and Anita Shukla

P1-42 Multi-Band Polarimetric Observations of the Lunar Regolith

Chae kyung Sim (Kyung Hee University, Korea), Sungsoo S. Kim, Minsup Jung, Il-Hoon Kim, So-Myoung Park, Ian Garrick-Bethell, Ho Jin, and Kyoung Wook Min

P1-43 Detection of a Fine-Scale Magnetic Discontinuity Around a Pore

Donguk Song (Seoul National University, Korea), Jongchul Chae, Soyoung Park, and Kwangsu Ahn

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Jungjoon Seough (Korea Astronomy and Space Science Institute, Korea), Peter H. Yoon, Junga Hwang, and Khan-Hyuk Kim

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Husan Eshqvatov (Institute of Nuclear Physics, Uzbekistan)

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Johanna Erika S. Valdueza (Manila Observatory, Philippines)

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Gusrizal (Universiti Kebangsaan Malaysia, Malaysia), W. Suparta, and K. Kudela

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Neflia (National Institute of Aeronautics and Space, Indonesia)

P1-49 Physical Properties of Erupting Plasma Associated with Coronal Mass Ejections Observed in EUV and X-ray

Jin-Yi Lee (Kyung Hee University, Korea), John C. Raymond, Katharine K. Reeves, Yong-Jae Moon, and Kap-Sung Kim

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T. Seredyn (Polish Air Force Academy, Poland), A. Ajabshirizadeh, and A. Wysokiński

P1-51 Occurrence of GLE Events and Characteristic Features during Recent Solar Cycles

Subhash C. Kaushik (Government Autonomous Excellent College, India)

P1-52 Intense Geomagnetic Storms and Associated Cosmic Ray Intensities

Subhash C. Kaushik (Government Autonomous Excellent College, India), Dinesh C. Gupta, and Sonia Kaushik

P1-53 Interplanetary Transient Solar wind Flows and Extremely Disturbed Geomagnetic Field Conditions

Sonia Kaushik (Jiwaji University, India) and Subhash C. Kaushik

Poster Presentation

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Michael Burton (University of New South Wales, Australia) and Catherine Braiding

P2-02 Three Years Survey in Local Bubble with Diffuse Interstellar Bands

Amin Farhang (Institute for Research in Fundamental Sciences, Iran), Habib G. Khosroshahi, Atefeh Javadi, and Jacco van Loon

P2-03 3D Distribution of Interstellar Gas and Dust in the Galaxy: Preparing the Analysis of GAIA Observations

Lucky Puspitarini (GEPI Observatoire de Paris, France) and Rosine Lallement

P2-04 Importance of Magnetic Fields in the Formation and Evolution of Dark Globules, Bright Rimmed Clouds and Mid-infrared Bubbles

C. Eswaraiah (National Central University, Taiwan) and W. P. Chen

P2-05 Double Stars as Tracers of Tiny Structures in Interstellar Medium

Somayeh Morabbi (Alzahra University, Iran) and Mohammad Taghi Mitorabi

P2-06 Magnetic Fields in Bright-rimmed Clouds and Cometary Globules Traced using R-band Polarization Observations

Soam, A (Aryabhata Research Institute of Observational Sciences, India), Maheswar G., Chang Won Lee, H. C. Bhatt, and Sami Dib

P2-07 Radiative Association of Ar⁺ and H

Moncef Bouledroua (Badji Mokhtar University, Algeria)

P2-08 The Galaxy Rotation Curve based on Measurements of Interstellar Call

G. Galazutdinov (Universidad Catolica del Norte, Chile), J. Krelowski, A. Strobel, F. Musaev, and A. Bondar

P2-09 New Non-Parametric Approach to Determine Proper Motion of Star Clusters

Rhorom Priyatikanto (Institut Teknologi Bandung, Indonesia) and M. Ikbal Arifyanto

P2-10 Stellar Metallicity Gradient of the Galactic Disc in LSS-GAC

Xiang Maosheng (Peking University, China), Liu xiaowei, Yuan Haibo, and Huang Yang

P2-11 TRAO Outer Galaxy Survey in 13CO

Youngung Lee (Korea Astronomy and Space Science Institute, Korea), Youngsik Kim, In-Sung Yim, Bong-Kyu Kim, Hyung-Woo Kang, Jae-Hoon Jung, Chang-Hoon Lee, and Kwang-Tae Kim

P2-12 SED Modeling of 20 Massive Young Stellar Objects

Kamal Kumar Tanti (University of Technology and Management, India)

P2-13 Census and Analysis of Molecular Clouds

A. S. Hojaev (ANUUz & UBAI, Uzbekistan)

P2-14 OH Masers Toward W49 A Star-Forming Region with MERLIN and e-MERLIN Observations

K. Asanok (Khon Kaen University, Thailand), M. D. Gray, S. Etoka, A. M. S. Richards, B. H. Kramer, and N. Gasiprong

P2-15 Trigonometric Distance to IRAS 20056+3350: Massive Star Forming Region in the Solar Circle

Ross A. Burns (Kagoshima University, Japan), Toshihiro Handa, Takumi Nagayama, Toshihiro Omodaka, Akiharu Nakagawa, Hiroyuki Nakanishi

P2-16 Searching for Young Methane T Dwarfs

Wen-Ping Chen (National Central University, Taiwan) and Pochih Chiang

P2-17 Identification of L328-IRS as a Proto-Brown Dwarf : Implication on the Origin of Brown Dwarfs

Chang Won Lee (Korea Astronomy and Space Science Institute, Korea), Mi-ryang Kim, Gwanjeong Kim Kim, Masao Saito, Philip Myers, and Yasutaka Kurono

P2-18 Far-Ultraviolet Study of the GSH 006-15+7: A Local Galactic Supershell

Young-Soo Jo (Korea Astronomy and Space Science Institute, Korea), Kyoung-Wook Min, and Kwang-Il Seon

P2-19 Numerical Simulations of HH211: A Reflection-Symmetric bi-polar Outflow

Anthony Moraghan (Academia Sinica Institute for Astronomy and Astrophysics, Taiwan), Chin-Fei Lee, and Po-Sheng Huang

P2-20 3D Extinction Map from Multi-band Photometry and the Dust-to-gas Ratio of the Galactic Anti-center

B.-Q. Chen (Peking University, China), X.-W. Liu, H.-B. Yuan, Y. Huang, and M.-S. Xiang

P2-21 Completion of the Methanol Multibeam Survey: Science Highlights and Follow-up Work

Shari Breen (CSIRO Astronomy and Space Science, Australia)

P2-22 Linear Polarization of Class I Methanol Masers in Massive Star Forming Regions

Ji-hyun Kang (Korea Astronomy and Space Science Institute, Korea), Do-Young Byun, Kee-Tae Kim, Jongsoo Kim, and Aran Lyo

P2-23 Star Formation History and Dust Production: NGC 147 and NGC 185

R. Hamedani Golshan (Isfahan University of Technology, Iran), A. Javadi, J. Th. van Loon, and H. G. Khosroshahi

P2-24 Physical and Chemical Properties of Planetary Nebulae with WR-type Nuclei

A. Danehkar (Macquarie University, Australia), R. Wesson, A. I. Karakas, and Q. A. Parker

P2-25 Instability of Magnetized Ionization Fronts

Jeong-Gyu Kim (Seoul National University, Korea) and Woong-Tae Kim

P2-26 Star Formation and the Molecular Gas Property in W4 West (AFGL333) Region

Toshihiro Handa (Kagoshima University, Japan), Takashi Soejima, Makoto Nakano, Toshihiro Omodaka, Takumi Nagayama, James Okwe Chibeze, Tatsuya Baba, and Tatsuya Kamezaki

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Hyun-Jeong Kim (Seoul National University, Korea), Bon-Chul Koo, and Christopher J. Davis

P2-28 Trigonometric Parallax of IRAS 22555+6213 with VERA: 3-Dimensional View of Sources Along the Same Line of Sight

James O. Chibueze (National Astronomical Observatory of Japan, Japan), Hirofumi Sakanoue, Takumi Nagayama, Toshihiro Omodaka, Toshihiro Handa, Tatsuya Kamezaki, Ross Burns, Hideyuki Kobayashi, Hiroyuki Nakanishi, Mareki Honma, and Yuji Ueno

P2-29 The Variation of Mass-loss in IRC +10216

Doan Duc Lam (Hanoi National University of Education, Vietnam), Dinh-V-Trung, and N. Q. Lan

P2-30 A High-resolution Study of the CO-to-H₂ Conversion Factor Across the Perseus Molecular Cloud

Min-Young Lee (CEA-Saclay, France), Snezana Stanimirovic, Mark Wolfire, Rahul Shetty, Simon Glover, Faviola Molina, and Ralf Klessen

P2-31 The Analysis of Star Cluster Family in the Northern Part of Carina Nebula

R. P. Ayu (Institut Teknologi Bandung, Indonesia), R. Priyatikanto, M. I. Arifyanto, R. W. Romadhonia, M. Hilmi, I. K. Fitriana, and H. R. T. Wulandari

P2-32 Galactic Center Molecular Cloud M0.76-0.06 with Mechanical Dominated Region

Atsushi Miyazaki (Korea Astronomy and Space Science Institute, Korea) and Masato Tsuboi

P2-33 Improved Dynamical Modelling of the Arches Cluster

Joowon Lee (Kyung Hee University, Korea), Sungsoo S. Kim, and Jihye Shin

P2-34 Near-IR Photometric and Optical Spectroscopic Study of The FU Orionis Objects V582 Aur

Hyung-II Oh (Kyungpook National University, Korea), Tae Seog Yoon, and Hyun-il Sung

P2-35 **Rotation Measure Synthesis at 800MHz of High Galactic Latitude Fields**

Y.-W. Liao (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan), N. Oppermann, C. Anderson, K. Bandura, T.-C. Chang, X.-L. Chen, J. Kumar, C.-Y. Kuo, Y.-C. Li, K. W. Masui, A. Natarajan, U.-L. Pen, J. B. Peterson, J. R. Shaw, E. R. Switzer, P

P2-36 **A Mapping Study of Herbig Ae/Be Stars with Lines of CO and Its Isotopes**

C. Zhang (Peking University, China), Y. Wu, J. Yuan, and T. Liu

P2-37 **Can UV Heated Outflow Cavity Walls Reproduce the Warm CO Gas in the Embedded Protostars?**

Seokho Lee (Kyung Hee University, Korea), Jeong-Eun Lee, Edwin A. Bergin, and Yong-Sun Park

P2-38 **High Resolution Optical Spectra of HBC 722**

Sunkyung Park (Kyung Hee University, Korea), Jeong-Eun Lee, Wonseok Kang, Hyun-II Sung, Sang-Gak Lee, Joel D. Green, and William D. Cochran

P2-39 **Scaling of Velocity and Magnetic Field in Decaying Turbulence in Expanding and Contracting Media**

JunSeong Park (Ulsan National Institute of Science and Technology, Korea), Dongsu Ryu, and Jungyeon Cho

P2-40 **OH Emission Toward Embedded YSOs**

Hyeong-Sik Yun (Kyung Hee University, Korea), Jeong-Eun Lee, Seokho Lee, Neal J. Evans II

P2-41 **Chemical Differentiation of CS and N₂H⁺ in Dense Starless Cores**

Shinyoung Kim (Korea National University of Education, Korea), Chang Won Lee, Jungjoo Sohn, Gwanjeong Kim, and Mi-Ryang Kim

P2-42 **Capture of WIMP Dark Matter by Stars in the Galactic Center: Impact of Orbital Eccentricity**

H. Wulandari (Institut Teknologi Bandung, Indonesia), Sulistiyowati, B. Dermawan, M. I. Arifyanto, and M. I. Ibrahim

P2-43 **Flux Monitor of the 6.7 GHz Methanol Masers to Systematically Research the Periodic Variation Using Hitachi 32-m**

Koichiro Sugiyama (Ibaraki University, Japan), Yoshinori Yonekura, Kazuhito Motogi, Yu Saito, Kenta Fujisawa, Shota Ishii, Munetake Momose, Mareki Honma, Kei E. I. Tanaka, Takashi Hosokawa, Mizuho Uchiyama, and Kohei Inayoshi

P2-44 **Infall & Outflow in Dense Cores in the Milky Way**

Shaila Akhter (The University of New South Wales, Australia), Maria R. Cunningham, and Paul A. Jones

P2-45 **Simultaneous Observation of the J=1-0, v=1 and v=2 SiO Masers Towards WX Psc using KaVA**

Youngjoo Yun (Korea Astronomy and Space Science Institute, Korea), Se-Hyung Cho, and Hiroshi Imai

Poster Presentation

[S3 : Stars, Exoplanets and Stellar Systems]

P3-01 **Speckle Observation of Visual Double Stars at Bosscha Observatory: Separation and Magnitude Difference Limits**

I Putu Wira Hadiputrawan (Institut Teknologi Bandung, Indonesia), Mahasena Putra, Mochamad Irfan, and Muhammad Yusuf

P3-02 **On the Embedded Binary Systems and Separated Roche Lobes**

Li-Chin Yeh (National Hsinchu University of Education, Taiwan) and Ing-Guey Jiang

P3-03 **Introducing `tlc_s05`: A Code to Fit Cepheid JHK Band Light Curves using Templates Approach**

Chow-Choong Ngeow (National Central University, Taiwan) and Shashi M. Kanbur

P3-04 **Periodic Variability of RY TAU**

Ismailov N. Z. (Shamakhy Astrophysical Observatory of Azerbaijan NAS, Azerbaijan)

P3-05 **Photometry and H α studies of a Deep Low Mass Ratio Overcontact binary ASAS J082243+1927.0**

K. Sriram (Osmania University, India), Shanti Priya, and P. Vivekananda Rao

P3-06 **Spectroscopic Analysis of the R Canis Majoris Binary System**

N. A-thano (Chiang Mai University, Thailand), D. E. Mkrichian, and S. Komonjinda

P3-07 **Locations of Out-of-Plane Equilibrium Points in Elliptic Restricted Three-Body Problem under the Radiation and Oblateness Effects**

I. N. Huda (Bandung Institute of Technology, Indonesia), B. Dermawan, R. W. Wibowo, T. Hidayat, J. A. Utama, D. Mandey, and I. Tampubolon

P3-08 **Spectroscopic analysis of RS CVn star EI Eri**

J. Keeratibharat (Chiang Mai University, Thailand), D. E. Mkrichian, and S. Komonjinda

P3-09 **The Nearest High-Velocity Stars Revealed by LAMOST Data Release**

Jing Zhong (Shanghai Astronomical Observatory, China), Li Chen, Chao Liu, and Richard de Grijs

P3-10 **Close-in Stellar Companions in Close Binary Stars**

Liao wenping (Yunnan Observatories, China), Shengbang Qian, Liying Zhu, and Liang Liu

P3-11 **Modeling the Binaries for Predicting Asteroseismic Observables**

Ki-Beom Kim (Kyungpook National University, Korea) and Heon-Young Chang

P3-12 Contact Binaries in the Field of the Stellar Clusters

Liu Liang (Yunnan Observatories, China), Qian Shengbang, and Zhu Liying

P3-13 Long-Term Light Curve and Periodic Analysis of the Young Variable GM Cephei

Po-Chieh Huang (National Central University, Taiwan), Chang-Yao Chen, Chia-Ling Hu, and Wen-Ping Chen

P3-14 Effect of Rotation on the Evolution of Pop III Protostars

Hunchul Lee (Seoul National University, Korea) and Sung-Chul Yoon

P3-15 Correlation Between Microturbulence And Nonradial Pulsations In Iota Herculis

N. M. M. Said (University of Science Malaysia, Malaysia), M. M. Razelan, H. Y. Chong, A. H. A. A, and M. Z. Zainuddin

P3-16 On Correlation Of Microturbulence And The Line Depth Of SII Line Profile In Iota Herculis

N. M. M. Said (University of Science Malaysia, Malaysia), M. M. Razelan, H. Y. Chong, A. H. A. A, and M. Z. Zainuddin

P3-17 Study of the Relation between Asteroseismic Observables and the Number of Observed Modes

Ki-Beom Kim (Kyungpook National University, Korea) and Heon-Young Chang

P3-18 Follow-up Photometry of Two New Eclipsing PCEBs from the Sloan Digital Sky Survey

Kittipong Wangnok (Suranaree University of Technology, Thailand), Nuanwan Sanguansak, Puji Irawati, Vik Dhillon, and Tom R. Marsh

P3-19 Analysis of the Eclipsing Binaries SDSS J1021+1744: a WDMS System with Unusual Dips

Khunagorn Chantorn (Suranaree University of Technology, Thailand), Nuanwan Sanguansak, Puji Irawati, Vik Dhillon, and Tom R. Marsh

P3-20 Validation of LAMOST Stellar Parameters

Huawei Zhang (Peking University, China), Hua Gao, Maosheng Xiang, Yang Huang, Xiaowei Liu, Ali Luo, and Haotong Zhang

P3-21 Microlensing by a Wide-Separation Planet: Detectability and Boundness

Yoon-Hyun Ryu (Kyungpook National University, Korea), Myeong-Gu Park, Heon-Young Chang, and Ki-Won Lee

P3-22 The Oosterhoff Period Groups and Multiple Populations in Globular Cluster

Sohee Jang (Yonsei University, Korea), Young-Wook Lee, Seok-Joo Joo, and Chongsam Na

P3-23 **Detection Level Enhancement of Gravitational Microlensing Events From The Light Curves**

Ichsan Ibrahim (Institute Technology of Bandung, Indonesia), Hakim L. Malasan, Mitra Djamal, Chatief Kunjaya, Anton Timur Jelani, and Gerhana Puannandra Putri

P3-24 **Effect of Overshooting on Evolution of Wolf-Rayet Star**

Wonsoek Chun (Seoul National University, Korea) and S.-C Yoon

P3-25 **Discovery of New Stellar Substructure of M31 System on the Wide-field Near-Infrared Image**

Minhee Kang (Yonsei University, Korea), Sang-Hyun Chun, DooSeok Jung, and Young-Jong Sohn

P3-26 **The Non-linearity Effect on the Color-to-Metallicity Conversion of Globular Clusters in NGC 5128**

Hak-Sub Kim (Yonsei University, Korea) and Suk-Jin Yoon

P3-27 **Identification of Luminous White Dwarf Candidates in the Globular Clusters M13 and M22 Using the HST ACS Photometric Data**

Dong-Hwan Cho (Kyungpook National University, Korea), Tae Seog Yoon, Sang-Gak Lee, and Hyun-Il Sung

P3-28 **Application of BS2fit to the Color-Magnitude Diagrams of Three Star Clusters**

Caiyan Mao (Dali University, China) and Zhongmu Li

P3-29 **Astrometric Observations of Mira variables with VERA**

Akiharu Nakagawa (Kagoshima University, Japan), Toshihiro Omodaka, Toshihiro Handa, and Tatsuya Kamezaki

P3-30 **Photometric Analysis of Magnetic Cataclysmic Variable Star DO Draconis**

Ki-yeong Han (Chungbuk National University, Korea), Joh-Na Yoon, Yonggi Kim, and Ivan L. Andronov

P3-32 **A Development of Period Analysis Algorithm for Detection of Variable Star Candidates**

Dong-Heun Kim (Chungbuk National University, Korea), Joh-Na Yoon, Yonggi Kim, Hong-Suh Yim, and Won-Young Han

Poster Presentation

[S4 : Galaxies, AGN and Cosmology]

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- P4-01** **A Holographic Reconstruction Scheme for $f(T)$ Gravity**
Surajit Chattopadhyay (Pailan College of Management and Technology, India) and Antonio Pasqua
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- P4-02** **A Study on Extended Holographic Ricci Dark Energy in Chameleon Brans-Dicke Cosmology**
Surajit Chattopadhyay (Pailan College of Management and Technology, India)
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- P4-03** **Small Sized MHD Accretion Disc for High Magnetic Field Around Supermassive Black Holes : Does It Contradict Observed Galactic Accretions?**
Ritabrata Biswas (Bengal Engineering and Science University Shibpur, India)
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- P4-04** **Gravitational Collapse in Husain Space-time for Brans-Dicke Gravity Theory**
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Kimitake Hayasaki (Korea Astronomy and Space Science Institute, Korea), Bong Won Sohn, Atsuo T. Okazaki, Taehyun Jung, Guangyao Zhao, and Tsuguya Naito

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Jose Fiestas (National Astronomical Observatories, Chinese Academy of Sciences, China)

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Ryan C. Keenan (Academia Sinica Institute for Astronomy and Astrophysics, Taiwan), Sebastián Foucaud, Roberto De Propriis, Bau-Ching Hsieh, Lihwai Lin, Richard C. Y. Chou, Shan Huang, Jing-Hua Lin, and Kai-Hung Chang

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Amin Mosallanezhad (Shanghai Astronomical Observatory, China) and Shahram Abbassi

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Pradip Kumar Chattopadhyay (Alipurduar College, India)

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Pranita Das (Pandu College, India), H. L. Duorah, and Kalpana Duorah

P5-04 TeV-PeV Neutrinos and Gamma-Rays from Newly Born Magnetars

R. K. Dey (North Bengal University, India) and S. Dam

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K. Sriram (Osmania University, India), C. S. Choi, and A. R. Rao

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Chin-Ping Hu (National Central University, Taiwan), Yi Chou, Ting-Chang Yang, Yi-Hao Su, Hung-En Hsieh, Po-Sheng Chuang, Ching-Ping Lin, and Nai-Hui Liao

P5-08 Characterizing the Time-Frequency Properties of the 4 Hz Quasi-Periodic Oscillation Around the Black Hole X-ray Binary XTE J1550-564

Yi-Hao Su (National Central University, Taiwan), Yi Chou, Chin-Ping Hu, Ting-Chang Yang, Hung-En Hsieh, Po-Sheng Chuang, Ching-Ping Lin, and Nai-Hui Liao

P5-09 The Orbital Ephemeris of the Partial Eclipsing X-ray Binary X1822-371

Hung-En Hsieh (National Central University, Taiwan), Yi Chou, Chin-Ping Hu, Ting-Chang Yang, Yi-Hao Su, Ching-Ping Lin, Po-Sheng Chuang, and Nai-Hui Liao

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Michael Ting-Chang Yang (National Central University, Taiwan), Yi Chou, Chin-Ping Hu, and Yi-Hao Su

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Gaurava K. Jaisawal (Physical Research Laboratory, India) and Sachindra Naik

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Kamal Kumar Tanti (University of Technology and Management, India) and Pranita Das

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Ahmadjon Abdujabbarov (Institute of Nuclear Physics, Uzbekistan)

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Farruh Atamurotov (Institute of Nuclear Physics, Uzbekistan)

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Ali Taani (Al-Balqa' Applied University, Jordan)

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Ko Nakamura (Waseda University, Japan), Takami Kuroda, Tomoya Takiwaki, and Kei Kotake

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Roslan Umar (University of Malaya, Malaysia), Zamri Zainal Abidin, and Zainol Abidin Ibrahim

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T. Hidayat (Institut Teknologi Bandung, Indonesia), B. Dermawan, P. Mahasena, A. Munir, and D. Mandey

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Farnik Nikakhtar (Sharif University of Technology, Iran)

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P. Dutta (Dimoria College, India) and K. Duorah

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Kotaro Niinuma (Yamaguchi University, Japan)

P6-07 Optimizing the Night Time at the Canada-France-Hawaii Telescope

Daniel Devost (Canada-France-Hawaii Telescope, USA)

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O. U. Usmanov (Ulugh Beg astronomical institute, Uzbekistan) and Sh. A. Ehgamberdiev

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Xuan Qian (National Astronomical Observatories, China), Yongqiang Yao, and Hongshuai Wang

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Hiroshi Takaba (Gifu University, Japan) and Hiroshi Sudou

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Yoshiaki Hagiwara (National Astronomical Observatory of Japan, Japan), Tao An, Taehyun Jung, Duk-Gyoo Roh, Ming Zhang, Longfei Hao, Kenta Fujisawa, Yoshinori Yonekura, Willem Baan, Jongsoo Kim, and Hideyuki Kobayashi

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Yoshinori Yonekura, Yu Saito, Koichiro Sugiyama, Yusuke Miyamoto, KangLou Soon, Munetake Momose, Hideo Ogawa, Kenta Fujisawa, Hiroshi Takaba, Kazuo Sorai, Naomasa Nakai, Toshihiro Omodaka, Tomoaki Oyama, Yusuke Kono, Hideyuki Kobayashi, and Noriyuki Kawag

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Ameera A. Jose (Western Mindanao State University, Philippines) and Eliezer E. Estrecho

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Sanghyuk Kim (Kyung Hee University, Korea), Seunghyuk Chang, and Soojong Pak

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Hye-In Lee (Kyung Hee University, Korea), Soojong Pak, Huynh Anh N. Le, Chae Kyung Sim, Ueejeong Jeong, Moo-Young Chun, Chan Park, In-Soo Yuk, Kangmin Kim, Michael Pavel, Daniel T. Jaffe

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Shuji Sato (Nagoya University, Japan) and Takahiro Nagayama

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Warrick Couch (Australian Astronomical Observatory, Australia)

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Koichiro Sugiyama (Ibaraki University, Japan), Kenta Fujisawa, Kazuya Hachisuka, Yoshinori Yonekura, Kazuhito Motogi, Satoko Sawada-Satoh, Naoko Matsumoto, Yu Saito, Daiki Hirano, Kyonosuke Hayashi, Zhiqiang Shen, Mareki Honma, Tomoya Hirota, Yasuhiro Mur

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O. Kameya (National Astronomical Observatory of Japan, Japan), M. Tsuboi, Y. Asaki, Y. Yonekura, Y. Miyamoto, H. Kaneko, M. Seta, N. Nakai, M. Miyoshi, H. Takaba, K. Wakamatsu, Y. Fukuzaki, T. Morimitsu, and M. Sekido

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Kiyooki Wajima (Korea Astronomy and Space Science Institute, Korea)

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Fengchun Shu (Shanghai Astronomical Observatory, China), Wu Jiang, Leonid Petrov, Jinling Li, and Xiuzhong Zhang

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Xiaojun Jiang (National Astronomical Observatories, China), Huijuan Wang, Hongbin Li, Zhongwen Hu, and Lei Wang

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Haeun Chung (Seoul National University, Korea) and A. N. Ramaprakash

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Huynh Anh Nguyen Le (Kyung Hee University, Korea), Soojong Pak, Daniel T. Jaffe, Michael Pavel, Andreas Seifahrt, and Jae-Joon Lee

P6-31 Iranian National Observatory 3.4m Telescope Project; Science and Instrumentation

Habib G. Khosroshahi (Institute for Research in Fundamental Science, Iran)

Poster Presentation

[S7 : Historical Astronomy, Astronomy Education and Public Outreach]

P7-01 **Astronomy with Small Telescopes**

K. Yugindro Singh (Manipur University, India), I. Ablu Meitei, S. Ajitkumar Singh, and R. K. Basanta Singh

P7-02 **Using Data Retrievals from CALIPSO and AERONET: Case Study of Aerosol Optical Thickness Over the Philippines and the East Asian Region**

Miguel M. Artificio (Rizal Technological University, Philippines), Custer Deocariz, and Mylene G. Cayetano

P7-03 **Lunar Eclipse Computation in Indian Astronomy with Special Reference to Siddhāntic Texts**

Somenath Chatterjee (Sabitri Debi Institute of Technology, India)

P7-04 **Factors Affecting Academic Performance of BS Astronomy Technology Students**

Ryan Manuel D. Guido (Rizal Technological University, Philippines) and Ruby-Ann B. Dela Cruz

P7-05 **Importance of “A Touch of the Universe” Project to Children with and Without Vision Impaired in Nepal**

S. Gautam (Global Hand on Universe, Nepal) and S. Neupane

P7-06 **Amateur Astronomy and Astronomy Education in India**

Somenath Chatterjee (Sabitri Debi Institute of Technology, India)

P7-07 **Astronomy Education in Nepal After 2009**

Jayanta Acharya (NSU, Nepal)

P7-08 **Astronomy in the Ancient Sundanese Culture**

Suhardja D. Wiramihardja (Institut Teknologi Bandung, Indonesia)

P7-09 **A Lightcurve Photometry of Asteroid using a Digital Single-lens Reflex Camera**

Tatsuhiko Kitagawa (Nasukogen Kaijo High School, Japan), Hiroki Shozaki, Makoto Nakagawa, Seiya Makabe

P7-10 **The Indigenous Sundanese Calendar: An Introduction**

Miranda H. Wihardja (Bestdaya Cultural Institute, Indonesia), Satrya Setiajaya Rasidi, and Ucaria Sastramidjaja

P7-11 **Outreach Activity Using the Internet Telescope**

Haruhiko Ueda (Akita University, Japan), Yuki Yamamoto, Minoru Omote, Seiji Sakoda, and Kouichi Toda

P7-12 How Light Pollution Affected to the Astronomical Night

Anuwar Syafiq B. Idrus (Islamic Science University of Malaysia, Malaysia)

P7-13 Distro Astro: A Debian-based Linux Distribution for Professional and Amateur Astronomy Use

Frederick Gabriela (Rizal Technological University, Philippines) and Rochelle Derilo

P7-14 Red Color of Mars from Optical Spectrum

Seung-A Lee (Korea Advanced Institute of Science and Technology, Korea), Duong-En Lee, Yeung-Hun Jo, and In-Ok Song

P7-15 ProAm Collaboration for Astronomy Education in Nepal

Suresh Bhattarai (Nepal Astronomical Society, Nepal), Manisha Dwa, and Shova Kanta Lamichhane

P7-16 Women in Astronomy

Manisha Dwa (Nepal Astronomical Society, Nepal), Suresh Bhattarai, and Shova Kanta Lamichhane

P7-17 Integrating Space Science into the Formal Education System in the Philippines

Rogel Mari Sese (Regulus SpaceTech Inc., Philippines)

P7-18 OAD Activities & Astronomy Public Outreach in Viet Nam

Nguyễn Lương Quang (Canadian Institute for Theoretical Astrophysics, Canada), Nguyễn Tấn Vũ, Đặng Tuấn Duy, Trần Huỳnh Thùy Trang, Phan Thanh Hiền, and Đặng Vũ Tuấn Sơn

P7-19 Color-Magnitude Diagram of M35 with DSLR

Su-Jin Jang (Korea Advanced Institute of Science and Technology, Korea) and In-Ok Song

P7-20 Spectra of Reflected Sunlight from Planets

Duong-En Lee (Korea Advanced Institute of Science and Technology, Korea) and In-Ok Song

P7-22 Students' Astronomy Public Outreach via Triannual Magazine Publication and Active Social Network Service Communication

JJeonghwan H. Kim (Yonsei University, Korea), Woongbae Jee, and Juhyun Lee

P7-23 Using MITAKA for Astronomy Education in Peru

Mario Zegarra-Valles (Instituto Geofísico del Perú, Peru), Shiomi Nemoto, and José Ishitsuka

P7-24 Using Astronomy and Botany to Improve Writing Skill

Sukanya Nutaro (Ubon Ratchathani Rajabhat University, Thailand) and Piyaphat Nithitakharanon

P7-25 **Creating a Science Learning Center in Kupang**

H. Wulandari (Institut Teknologi Bandung, Indonesia), P. W. Premadi, Y. Yulianty, K. Vierdayanti, S. Permani, Sulistiyowati, A. T. Jaelani, A. B. Priambodo, and A. T. Handini

P7-26 **Smartphones as Tools for Astronomy Education**

Albanna H. (a&a Interactive - Education Apps Developer, Indonesia), Ayulita A. K., and Mutiaz, I. R.

P7-27 **Astronomy Media in Indonesia**

Avivah Yamani (langitselatan, Indonesia), Wicak Soegijoko, and Ratna Satyaningsih

P7-28 **Public Relations for Safe Solar Eclipse Observation by Annular Eclipse 2012 Japan Committee**

Kouji Ohnishi (Nagano National College of Technology, Japan)

P7-29 **Science Education Programs by Large-scale Observation; the Annular Solar Eclipse 2012**

Kouji Ohnishi (Nagano National College of Technology, Japan)

P7-30 **Construction of a Low-Cost Philippine Ethnoplanetarium for Education and Public Outreach**

Frederick Gabriela (Rizal Technological University, Philippines)

P7-31 **langitselatan as an Astronomy Learning Base for Citizen Projects in Indonesia**

Ajeng Tri Handini (langitselatan, Indonesia), Aldino Baskoro, Avivah Yamani, and Emanuel Sungging Mumpuni

P7-32 **Story Telling Medium Development for Starlore**

Yatny Yulianty (langitselatan, Indonesia) and Avivah Yamani

P7-33 **SAARC Astronomy Education Program**

Rajmal Jain (Kadi Global University, India)

P7-34 **Teaching Astronomy Using Hybrid Astronomy Textbooks**

Michele M. Montgomery (UCF Physics, USA)

P7-35 **AASWomen, A Weekly E-Newsletter About the Status of Women in Astronomy**

Michele M. Montgomery (UCF Physics, USA)

P7-36 **Mobile planetarium activities and astronomical education in Mongolia**

Tsolmon Renchin (National University of Mongolia, Mongolia), Agata Hidehiko, and Kaz Sekiguchi

P7-37 **Collaboration Between Professional Institutions in Raising the Profile of Astronomy Research**

Shane Hengst (University of New South Wales, Australia) and Shaila Akhter