


Suryadi Siregar, Valantino Agus Sutomo, Orbital Evolution of 4179 Toutatis, The 4th SEAAN Meeting (South East Asia Astronomy Network) di Auditorium CC Timur ITB, 10-11 Oktober 2012


Taufiq Hidayat, Nadia Ridwan, Analyses of MODIS data for a future astronomical observatory in Indonesia, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Premana Premadi, Lambok Christina and Fanny Trirahmania, A detailed look at the late type galaxies in nearby clusters, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Hakim L. Malasan, Janette Suherli, Spectroscopic Study of Novae in Early 2012 at Bosscha Observatory, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)


Novi Sopwan, Moedji Raharto, Lower Limit Hilal Visibility Criteria for the Naked Eye and Telescopic Observation, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Dhani Herdiwijaya, Abdul Rachman, On the Effects of Solar Storms to the Decaying Orbital Space Debris, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Rasdewita Kesumaningrum, Dhani Herdiwijaya, Deep Coronal Hole Associated With Quiscent Filament, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Muhammad Irfan Hakim, Mahasena Putra, Chatief Kunjaya and Doddly Sutarno, Rotational Velocity Evolution of Herbig Ae Stars: Be Stars Progenitor?, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Janette Suherli, Hakim Malasan, Mahasena Putra Lidia Mayangsari, Dhimaz Ramadhan and Gabriela Haans, The Bosscha Observatory’s BIMA Program, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Sulistiyowati, Hesti Wulandari, Budi Dermawan, M. Ikbai Arifyanoto and Ichsan Ibrahim, Effects of Dark Matter on Stellar Structure and Evolution, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Endang Soegiartini, Iratius Radiman1, Suryadi Siregar and Umar Fauzi, The Dynamical Behaviour of Asteroid 1566 Icarus, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Rhorom Priyatikanto, Mochamad Ikbai Arifyanoto and Hesti Retno Tri Wulandari, Open Clusters Evolution in Binary System: How They Dissolved, Disampaikan pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Abdul Rachman, Dhani Herdiwijaya, Identifying Solar Wind Structures Related to Garuda 1 Satellite Anomaly by Analyzing Solar Wind and IMF Parameters, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Febrie Ahmad Azizi, Kiki Vierdayanti, Mahasena Putra and Chatief Kunjaya, Behavior of Long Term Interval of State A in GRS 1915+105, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Yolanda Ghea, Mahasena Putra, Budi Dermawan, Ridlo Wibowo, Sulistiyowati, Comet Giritno and Hesti Wulandari, Effect of Initial Inclination to the Stability of Triple Star Systems, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Riscya Oktavia, Hesti Wulandari, Rotation Curves of Early Type Spiral Galaxies with Modification of Gravity, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Prahesti Husnindriani, Hesti Wulandari, Distribution of Dark Matter in Late-type Spiral Galaxies, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)
Lidia Mayangsari, Mahasena Putra and Rhorom Priyatikanto, On The Period Determination of ASAS Eclipsing Binaries, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Evan Akbar, Agus Setiawan, Maman Sulaeman, Mahasena Putra, Gabriela Haans and Dhimaz Ramadhan, Design Proposal of CCD Mount for Schmidt’s Bima Sakti Telescope, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Christin Melati Tampubolon and Taufiq Hidayat, Searching for Planets from Data Mining in Kepler Released Data, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Retno Dyah Hapsari, Taufiq Hidayat and Farahhati Mumtahana, Recent Development of Radio JOVE Telescope at the Bosscha Observatory, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Farahhati Mumtahana, Taufiq Hidayat and Retno Dyah Hapsari, Characterization of the “Hidrogen” 6m Radio Telescope at the Bosscha Observatory, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Suryadi Siregar, Valantino Agus Sutomo, The Trajectory Around Lagrangian Point L2 in the Earth-Moon System, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Moedji Raharto, Search for Bright Stars with Infrared Excess, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)

Eka Puspita Arumaningtias, Dhanii Herdiwijaya and Moedji Raharto, Reading Quality of The Sky Quality Meter, Poster pada kegiatan The 4th International Conference on Mathematics and Natural Sciences (ICMNS-2012)


Yoshida, Fumi; Ito, Takashi; Dermawan, Budi; Nakamura, Tsuko; Takahashi, Shigeru; Ibrahimov, Mansur A.; Malhotra, Renu; Huen Ip, Wing; Chen, Wen Ping; Sawabe, Yu; Haji, Masashige; Saito, Ryoko; Hirai, Masanori; Miyasaka, Seidai; Fukushima, Hideo; Sato, Hideo; Sato, Yusuhe, Lightcurves of the Karin family asteroids, submitted to Icarus on 2012 May 13


Prahesti Husnindriani, Anita R. Audina, Fuji Hidjriyati, Muji Lestari, Budi Dermawan, Hakim L. Malasan, Inisiasi Kegiatan Astronomi di Kelompok Ilmiah Remaja (KIR) SMMAN 1 Banjarmasin,


Moedji Raharto, Search for Solution for a Unique Islamic Calendar, Disampaikan pada Lokakarya International Penyatuan Kalender Hijriyah


P. Irawati, P. Mahasena, D. Herdiwijaya, F. P. Zen, Population synthesis of cataclysmic variable star: I. Formalism and initial study on the post common-envelope stage, Submitted to Astrophysics and Space Science


Singarimbun, A., Estimation of Parameters Distributions in Geothermal Reservoir using Finite Difference method, Proceeding International Conference di Porti

Gunawan Handayani, Workflow of Ground Penetrating Radar signal analysis, The 2nd Asian Physics Symposium (APS)


Sutarno, D., Development of CSAMT Impedance Modeling and Its Estimation, The 2nd Asian Physics Symposium (APS)


Masturi, Silvia, Mahardika Prasetya Aji, Euis Sustini, Khairurrijal and Mikrajuddin Abdullah, Peermeeability, Strength and Filtration Performance for Uncoated and titania-Coated Clay WasterwaterFilters, American Journal of Environmental Sciences 8(2) : 79-94, 2012


Euis Sustini, Hasniah Aliah, Characteristic Transparent Conducting Oxides (TCO) In_{2}O_{3}:Ti (TiO) growth by MOCVD method, ICPAP 2012


Khairurrijal, Fatimah A. Noor, Ferry Iskandar, and Mikrajuddin Abdullah, “The Importance of Transverse-Longitudinal Energy Coupling in Modeling of Tunneling Current in Nano MOS Capacitors – A Review” (Solo, 2-3 October 2012) (Invited)


Arkundato, A., Su’ud, Z., Abdullah, M., Sutrisno, W., Molecular dynamic simulation on iron corrosion-reduction in high temperature molten lead-bismuth eutectic, Turkish Journal of Physics, doi:10.3906/fiz-1112-12 (accepted 2012)


M.M. Munir, A. Suhendi, T. Ogi, F. Iskandar and K. Okuyama; Ion-induced nucleation rate measurement in SO2/H2O/N2 gas mixture by soft X-ray ionization at various pressures and temperatures, Adv. Powder technology, Accepted (2012).


Y. Darma and R. Widita, Simulation of Floating Gate MOSFET memory using Si Quantum Dot with Ge Core and High-K material as Tunnel Oxide, Proceeding of ICEIC2012 pp. 209-210, Jeongseon, February 2012, Korea.


Artoto Arkundato, Zaki Suud, Mikrajuddin Abdullah, Widayani Sutrisno, Molecular dynamic simulation on iron corrosion-reduction in high temperature molten lead-bismuth eutectic, Turkish Journal of Physics, SNIP = 0.52 (2013). DOI: 10.3906/fiz-1112-12


Sidik Permana, Mitsutoshi Suzuki, Masaki Saito, Novitrian, Abdul Waris, Zaki Suud, Study on Material Attractiveness Aspect of Spent Fuel of LWR and FBR Cycles Based on Isotopic Plutonium Production, Energy Conversion and Management, Elsevier, Accepted, To be Published 2013. (International Journal)


Basar, K., Viridi, S., Simulation of ion conduction phenomenon in superionic material using granular molecular dynamics, AIP conf proc 1454, 2012

Viridi, S., Widayani, Khotimah, S.N., 2-D Granular model of composite elasticity using molecular dynamics simulation, AIP conf proc 1454, 2012


Widita, R., Kurniadi, R., Darma, Y., Perkasa, Y.S., Trianti, N, New AIRS: The medical imaging software for segmentation and registration of elastic organs in SPECT/CT, AIP conf proc 1454, 2012

Waris, A., Sumbono, Prayudhatama, D., Novitrian, Su’ud, Z, Preliminary study on direct recycling of spent bwr fuel in BWR system, AIP conf proc 1454, 2012


Agus Suroso and Freddy P. Zen, “Cosmological Model with Nonminimal Derivative Coupling of Scalar Fields in Five Dimensional Universal Extra Dimension” (diterima untuk dipublikasikan di *General Relativity and Gravitation*)


Y. Fujii, A. Takita, J. Kaewkhao, M. Djamal, T. Yamaguchi, Precision force measurement using the levitation mass method (LMM), Applied Mechanics and Materials, 103,1, 2012


S. A. Wahyoedi, and B. E. Gunara, Multi-Centered Metric on (n+1)-Dimensional Static Spacetimes, AIP Conference Proceeding of International Conference on Research and Education in Mathematics 2011, Bandung, Indonesia


A.Setiadi and Suprijadi, Transition Mechanism of Stone-Wales Defect in Armchair Edge (5,5) Carbon Nanotube, 5th APS 2012, July 10 – 12, 098-COM, Bandung Indonesia, p. 85

Ferry Faizal and Suprijadi, Smoothed Particle Hydrodynamics Method and Free Surface Heat Transfer for Phase Change Problem, 5th APS 2012, July 10– 12, 090-COM, Bandung Indonesia, p. 84


S. H. Pratama, Y. S. Gunawan, Suprijadi, F. Haryanto, Characterization and analysis of brain tissue abnormalities using geometric features analysis in MRi image, 5th APS 2012, July 10 – 12, 159-BIO, Bandung – Indonesia, p.52


Wahyu Hidayat, Sparisoma Viridi, Freddy P. Zen, mathematical modelling for stability analysis of smell print, ICMNS 2012


Nurbaiti, S., Martoprawiro, M.A., Akhmaloka, Hertadi, R., The role of electrostatic interactions on Klentaq1 insight for domain separation-Bioinformatics and Biology Insights 2012, 6, pp. 225-234


Zeily Nurachman, Hartati, Syahfitri A., Etsuroyya E.A., Gestria N., Bill M., Suryo G., Yana M.S., Lily M.G.P., and Gede S., Oil productivity of the tropical marine diatom Thalassiosira sp.-Bioresource Technology (accepted)


Zulfikar, Muhammad; Wahyuningrum, Deana; and Lestari, Sinta (2012), *Adsorption of lignosulfonate compound from aqueous solution onto chitosan-silica beads*, Separation Science and Technology.


Ismunandar, Rusli, R., &Ramdan, H., Temperature dependent study of Bi2V 1-xGa xO 5.5 (x = 0.1 and 0.15) oxides, Proceedings - International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering 2011, ICICI-BME 2011

R., Prijamboedi, B., Marshi, I. N., Mukti, R. R., &Ismunandar, Conductivity and solid state 29Si NMR studies of apatite-type lanthanum silicate prepared by hydrothermal method , Proceedings - International Conference on Instrumentation, Communication, Information Technology and Biomedical Engineering 2011, ICICI-BME 2011

H.D. Setiabudi, A.A. Jalil, S. Triwahyono, N.H.N. Kamarudin, R.R. Mukti, IR study of iridium bonded to perturbed silanol groups of PtHZSM5 for npentane isomerization, Applied Catalysis A: General 29 February 2012
Fitria Rahmawati, Bambang Prijamboedi, Syoni Soepriyanto, and Ismunandar, SOFC composite electrolyte based on LSGM-8282 and zirconia or doped zirconia (from zircon concentrate), International Journal of Minerals, Metallurgy, and Materials

Atiek Rostika Noviyanti, Bambang Prijamboedi, I Nyoman Marsih & Ismunandar, Hydrothermal Preparation of Apatite-Type Phases La9.33Si6O26 and La9M1Si6O26.5 (M = Ca, Sr, Ba), ITB Journal of Science


Veinardi Suendo, Sparisoma Viridi, Ab Initio Calculation Study Between RHF/CIS. TDDFT, and Semi-Empirical Methods, ITB Journal of Science

Ismunandar and Yuli S Indartono, Editorial Introduction Climate Change and Poverty in Asia. Challenges and Prospects, RDD (Regional Development Dialogue)

E. P. Ng, S.N.M Subari, O. Marie, R. R. Mukti, J. Cuan, Sulfonic Acid Functional MCM - 41 as Solid Acid Catalyst for Tert Butylation of Hydroquinone by Microwave Heating, Applied Catalysis A: General


V. Suendo, M. Minagawa, A. Tanioka (2012), Chronopotentiometry study of a cation-exchange membrane in the presence of cationic surfactant in membrane surface vicinity, Ionics 18, 159-166.,


A.P.Santika, Grup Defect pada Grup PSL(2,3) dan PSL(2,5), Jurnal Matematika dan Sains ITB, 19-21, 2012.

Nopendri, F.Yuliawan, Algoritma Perluasan Euclid pada Lapangan Komposit GF((pn)m), Prosiding Seminar Nasional Aljabar 2012, 130-135.


Nunung Nurhayati, Udianna S. Pasaribu, and Oki Nieswan, Application of Generalized Space-Time Autoregressive


H. Tanaka, H. Gunawan, “The local trace inequality for potential type integral operators”, POTA (2012)
I. Sihwaningrum, S. Maryani, H. Gunawan, “Weak-type inequalities for fractional integral operators on
generalized non-homogeneous Morrey spaces”, ATA 28 (2012), 65-72
Eridani, H. Gunawan, M.I. Utoyo, “A revisit on Nakai’s results on fractional integrals and maximal
functions”, ATA 28 (2012), 263-267
Sitompul, P., Gunawan, H., Soeharyadi, Y., Gunawan, A.Y., An energy investigation of reaction
Wono Setya Budhi, Another Elementary Proof of Jordan Decomposition for a matrix, AIP Conference
Proceesings 1450 (2012),
P. Sitompul, H. Gunawan, Y. Soeharyadi, A.Y. Gunawan, “An energy investigation of reaction diffusion
equations”, AIP Conference Proceesings 1450 (2012), 363-367
Dadang A. Hamzah & H. Gunawan, “Aproksimasi polinomial minimaks berderajat satu dengan
menggunakan metode jajargenjang terkecil”, Prosiding Konferensi Nasional Matematika XV,
Juli 2012
S.R. Pudjaprasetya, E. Khatizah, Longshore Submerged Wave Breaker for Reflecting Beach, East Asian
K. Yulianti, A.Y. Gunawan, An asymptotic study of the steady state model of oxygen diffusion in tissue
A. Nuryaman, A.Y. Gunawan, K.A. Sidarto, Y.W. Budhi, A Singular Perturbation Problem for Steady State
Conversion of Methane Oxidation in Reverse Flow Reactor, ITB Journal of Science, Vol 44A,
no.3 (In press), 2012.
Windarto, A.Y. Gunawan, E. Soewono, P. Sukarno, Modelling of formation damage due to mud filtrate
S. Darwis, A.Y. Gunawan, A.K. Permadi, N. Fitrriyati, Reserve Estimation, Advances and Applications in
H. Tasman, A. K. Supriatna, N. Nuraini, E. Soewono, A dengue vaccination model for immigrants in a
two-age-class population, International Journal of Mathematics and Mathematical Sciences,
well placement for oil field development based on basic reservoir rock properties using
L.H. Wiryanto, H.B. Supriyanto, The Contraction Coefficient of a Free-Surface Flow Under Gravity
Entering a Region Beneath a Semi-Infinite Plane, East Asian Journal on Applied Mathematics
Deana Wahyuningrum, Nuning Nuraini, Novriana Sumarti, Model Matematika Pada Mekanisme Laju
Korosi Logam Baja Karbon dengan Penambahan Inhibitor, Jurnal Matematika & Sains, Vol 17,
No. 1, 2012.
R. Saragih and Fidya Indah Dewanti, Model reduction of bilinear system using balanced singular
perturbation, Communications in Computer and Information Science 339 CCIS , pp. 198-204,
2012.


Solikhatun, R. Saragih, Endro Julianto, Pengendali kokoh umpan balik untuk system bilinear tereduksi melalui Pertidaksamaan Matriks Linear, Prosiding Konferensi Nasional Matematika XVI, UNPAD, 2012.


A. Ahmad, E.T. Baskoro, M. Imran, Total vertex irregularity strength of disjoint union of helm graphs, Discussiones Mathematicae -- Graph Theory 32:3 (2012), 427---434