



Artículos Arbitrados Enviados

ASTROFISICA

1. González-Acosta, E. **Corona-Galindo M.G.**, "Obtaining time-dependent Invariants by the Sarlet-Bahar Method for a non-linear equation", RMF.
2. Gelover-Santiago, A.L. **Corona-Galindo M.G.**, "Continuous Groups of Transformations and time-dependent Invariants", RMF.
3. Popović, L.C., Shapovalova, A.I., **Chavushyan, V.H.**, Ilić, D., Burenkov, A.N., Mercado, A.; Ciroi, S.; Bochkarev, N.G., "Physical properties of the BLR of NGC 5548: Long term variability.", MNRAS.
4. Arshakian, T.G., Lobanov, A.P., **Chavushyan, V.H.**, Shapovalova, A.I., Zensus, "Observational evidence for link between the variable optical continuum and the jet of a radio-loud galaxy 3C390.3", A.J., MNRAS.
5. LoVerde, M., Hui, L., **Gaztañaga, E.**, "Magnification-Temperature Correlation: the Dark Side of ISW Measurements ArXiv" Astrophysics e-prints arXiv", Aph.
6. Croton, D. J., Norberg, P., **Gaztañaga, E.**, Baugh, C. M., "Statistical analysis of galaxy surveys - III: The non-linear clustering of red and blue galaxies in the 2dFGRS ArXiv", Ap e-prints arXiv:astro-ph.
7. **Wagg, J. (estudiante), Hughes, D.H., Aretxaga, I.**, Chapin, E.L., Dunlop, J.S., Gaztañaga, E., Devlin, M., "A broadband spectroscopic search for CO line emission in HDF850.1: the brightest submillimetre object in the Hubble Deep Field North ArXiv ", Astrophysics e-prints arXiv:astro-ph/0611869 - 2006
8. **Lekht E.E.**, Pashchenko M.I., Tolmachev A.M, "Maser H₂O in IR-emission source of IRAS 20126+4104", AR.
9. Wayne A., Barkhouse, H.K.C. Yee, **López-Cruz, O.**, "The Luminosity Function of Low-Redshift Abell Galaxy Clusters", ApJ
10. Basilakos, S., **Plionis, M.**, Kovac, K., Voglis, "Large Scale Structure in the HI Parkes Survey: Filling the Voids with HI galaxies?", MNRAS.



Artículos Arbitrados Enviados

11. Ragone, C., **Plionis, M.**, "Environmental Influence on the Morphology & Dynamics of Group Size Halos", MNRAS.
12. **Plionis, M.**, Tovmassian, H., "The True Size and Crossing Time of Poor Groups of Galaxies", MNRAS.
13. **Plionis, M.**, Andernach, H., **López-Cruz, O.**, Tago, E., Basilakos, S., "The Cluster Mass to Light ratio and Cosmological Implications, MNRAS.
14. **Plionis, M. López-Cruz, O.**, Andernach, H. Tago, E. Basilakos. S., "Cluster of Galaxies Mass-to-Light Ratios and the Value of the Density Parameter Omega", MNRAS.
15. Basilakos, S., **Plionis, S.**, Kovac, K., Voglis, "Large Scale Structure in the HI Parkes Survey: Filling the Voids with HI galaxies?", MNRAS.
16. Ragone, C., **Plionis, M.**, "Environmental Influence on the Morphology & Dynamics of Group Size Halos", MNRAS.
17. **Plionis, M.**, Tovmassian, H., "The True Size and Crossing Time of Poor Groups of Galaxies", MNRAS.
18. **Plionis, M.** Andernach, H. **López-Cruz, O.** Tago, E. Basilakos, S., "The Cluster Mass to Light ratio and Cosmological Implications", MNRAS.
19. Block, D.L., **Puerari, I.**, Stockton A., et al., "Keck spectroscopy and spitzer space telescope análisis of the outer disk of the triangulum spiral galay M33", A&A., Junio27, 2006.
20. Stasinska, G., **Tenorio Tagle, G., Rodríguez M.**, Henney., W., "Metal rich droplets in HII regions: a scenario for the enrichment of the ISM", A & A.
21. Delgado, I. Muñoz Tunon, C. Cairos L. M., **Tenorio Tagle G.** "Star clusters in a sample of blue compact dwarf galaxies.", AJ.
22. Delgado, I., **Tenorio Tagle, G.**, Muñoz Tuñon, C., Moissev, A., "3D Spectroscopy of blue compact galaxies: Diagnostic diagrams", AJ.

Artículos Arbitrados Enviados

23. **Rosa-González, D.**, Burgarella, D., Nandra, K., Kunth, D., **Terlevich, E., Terlevich, R.**, "Multiwavelength Study of X-ray Selected Star Forming Galaxies within the Chandra Deep Field South", MNRAS.
24. Jiménez-Bailón, E., Guainazzi, M., Loiseau, N., Matt, G. Piconcelli, E., **Rosa González, D.** Santos-Lleó, M., "XMM-Newton View of Pairs of Active Galaxies: Activation of Quiescent AGN, A&A.
25. Hägele, G. F., Díaz, A. I., Cardaci, M. V., **Terlevich, E., Terlevich, R.**, "Kinematics of gas and stars in the circumnuclear starforming ring of NGC3351", MNRAS (MN-06-1650-MJ.R1).
26. **Valdes, J.R., Carrasco, L.** , "NIR Study of the excitation mechanism of gas in nearby Starburts Galaxies," A&A.
27. **Wall,W.**, "Comparison of ^{13}CO and Far-IR Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: Simulations", MNRAS.
28. **Wall, W.**,"Comparison of ^{13}CO and Far-IR Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: Systematics and Scientific Implications", MNRAS.
29. **Wall, W.**, "Rethinking the $\text{N}(\text{H}_2)/\text{I}(\text{CO})$ Conversion Factor", MNRAS.
30. Díaz, R., **Altamirano, L., Guichard, J., Cardona, O.**," Digitization of the INAOE Astronomical plates its use and expected results,
31. Tinoco Villa, V., **Chávez, M.**, Kemp, S., "Estudio Espectroscopico de Formación Estelar en Galaxias Cercanas" Clima y Cosmos.

Artículos Arbitrados Enviados

OPTICA

32. **J. F. Aguilar-Valdez**, M. Cywiak, B. Barrientos. "Optimal pinhole size in a confocal system for axial resolution improvement". Optics Communications, (2006).
33. J. Vargas-Ubera, J. J. Sánchez-Escobar, **J. F. Aguilar-Valdez**, D. Gale. "Numerical study of particle size distribution retrieved from angular Light-scattering data using an evolution strategy with the Fraunhofer approximation". Applied. Optics, (2006).
34. **J. J. Báez-Rojas**, M. Ibáñez-Porras, G. Urcid-Serrano, J. Conde-Acevedo. "Chromaticity coordinates are interpreted as vectors and used for color image segmentation". Optics Express, (2006). Optics Communications, (2006).
35. **J. J. Báez-Rojas**, J. Montiel. "RGB colors as the base of ternary arithmetic system". Optics Express (2006). Optics Communications, (2006).
36. C. M. Nascimento, M. A. R. C. Alencar, M. G. A. da Silva, M. R. Meneghetti, **S. Chávez-Cerda**, J. M. Hickmann. "Gold nanoparticles enhance spatial self-phase modulation". Optics Communications, (2006).
37. **C. Gutiérrez-Martínez**, J. Santos-Aguilar. "All fibre and integrated optics electric field sensing scheme using matched optical delays and coherence modulation of Light". Measurement Science and Technology, (2006).
38. **C. Gutiérrez-Martínez**, J. Santos-Aguilar, J. A. Torres-Fortiz. "Tuning dispersion- nduced microwave transmission windows on radio over fiber schemes by using optical delays". Microwave and Optical Technology Letters, (2006).
39. **B. Ibarra-Escamilla**, E. A. Kuzin, R. Grajales-Coutiño, O. Pottiez, J. W. Haus. "Self-starting figure-eight mode-locked fiber laser based on a symmetrical nonlinear optical loop mirror". Opt. Exp., (2006).
40. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "High-quality amplitude jitter reduction and extinction enhancement using a power-symmetric NOLM and a polarizer". Opt. Exp., (2006).

Artículos Arbitrados Enviados

41. **G. Martínez-Niconoff**, D. M. Gale, H. H. Sánchez-Hernández, P. Martínez-Vara. "Analysis of surface plasmons: Angular spectrum model for plasmonic fields and their extremal features". *Optics Letters* (2006).
42. **G. Martínez-Niconoff**, J. C. Ramírez-San Juan, J. Muñoz-López, P. Martínez-Vara. "Incoherent convergente of diffraction free fields: random lau effect". *Optic. Comm.* (2006).
43. T. A. Leskova, A. A. Maradudin, **J. Muñoz-López**. "The design of two-dimensional random surfaces with specified scattering. properties working at non-normal incidence".
44. 13. **A. Olivares-Pérez**, S. Toxqui-López, I. Fuentes-Tapia. "UHU ® adhesive holograms". *Optik*, (2006).
45. B. Ruiz-Limón, **A. Olivares-Pérez**, F. Silva-Andrade, E. L. Ponce-Lee, N. Grijalva-y Ortiz, A. Quintero-Romo, I. Fuentes-Tapia. "Obtaining of a soft conductor polymer, using polyvinyl alcohol (PVA) as a matrix for a chemical reaction with nickel chloride". *Organic Electronics*, (2006).
46. 15. **A. Shcherbakov**, E. Tepichin-Rodríguez, A. Aguirre-López. "Frequency bandwidth and potential resolution of optical modulators exploiting a multi-phonon light scattering in crystals". *Optik*, (2006).
47. M. A. Rosale-Medina, **E. Tepichín-Rodríguez**, R. Cantú, E. López-Olazagasti, V. Montes, J. M. Ibarra-Galitzia. "Comparison of the WF, PSF and MTF between 20/20 untreated, Post Advanced Surface Ablation (ASA) and Post Pseudoaccommodative (Presbyopic) Advanced Surfaces Ablation (PASA) eyes". *Journal of Refractive Surgery*, (2006).
48. **J. Castro-Ramos**, **S. Vázquez-Montiel**, J. Hernández-de-la-Cruz, O. García-Lievanos, **W. Calleja-Arriaga**. "Óptica difractiva: Una revisión al diseño y construcción de sistemas ópticos empleando lentes difractivas". *Rev. Mex. Fis.*, (2006).
49. **A. Jaramillo-Núñez**, M. Lucero-Alvarez. "Construcción de un inclinómetro óptico". *Rev. Mex. Fís.*, (2006).



Artículos Arbitrados Enviados

ELECTRÓNICA

50. A. L. Herrera-May, J. Martínez-Castillo, P. J. García-Ramírez, E. Morales-González, Ramírez-Treviño, **W. Calleja-Arriaga**. "Structural and Electro-Thermal Analysis of a Resonance Magnetic Sensor Structure Based on Lorentz Force", Revista Superficies y Vacío, México, 2006.
51. **Josefina Castañeda-Camacho** y Domingo Lara-Rodríguez, "Teletraffic Analysis of an Overlay of Multiclass CDMA and TDMA Cellular Systems", IEEE Transactions on Vehicular Technology, Correcciones en proceso, Abril 2006.
52. **Josefina Castañeda-Camacho** y Domingo Lara-Rodríguez, "Teletraffic Analysis of an Overlaid CDMA and TDMA Systems with Cell Coverage Area Restriction", IEEE Transactions on Vehicular Technology, Correcciones en proceso, Junio 2006.
53. Víctor Avendaño, **Víctor Champac**, Joan Figueras, "Signal Integrity Monitoring for Digital Signals" IEEE Transactions on VLSI Systems, enviado el 7 de Junio 2006, No. TVLSI-00262-2006.
54. **P. Halevi**, Adán S. Sánchez, and E. Galindo-Linares, "Can spontaneous emission be actively manipulated?", enviado a Optics Communications.
55. **P. Halevi** and F. Pérez-Rodríguez, "From photonic crystals to metamaterials: an exact homogenization theory", enviado a Physical Review Letters.
56. E. Galindo-Linares, **P. Halevi**, Adán S. Sánchez, "Tuning of one-dimensional Si/SiO₂ photonic crystals at the wavelength of 1.54 μm micrometers. Solid State Communications, enviado.
57. U. Algreto-Badillo, **P. Halevi**, "Negative refraction and focusing in magnetically coupled L-C loaded transmission lines" Electronic Letters, enviado.
58. Víctor Jiménez Fernández, **Luis Hernández-Martínez**, Arturo Sarmiento-Reyes, Pedro Marcelo Julian, "Finding all the operating points in piecewise-linear electrical networks: an iterative-decomposed approach", enviado International Journal of circuit Theory and Application, 17-sep-2006.
59. L. Sánchez, **A. Kosarev**, A. Torres, A. Ilinskii, Y. Kudriavtsev, R. Asomoza, P. Roca I Cabarrocas, A. Abramov, "Study of Ge_γSi_{1-γ} Films Deposited by Low Frequency Plasma", Thin Solid Films (2006).
60. M. Moreno, **A. Kosarev**, A. Torres, "Arrays of Un-cooled Micro-bolometers Based on Amorphous Germanium Thin Films Deposited by Plasma", Euro-sensors proceedings 2007.

Artículos Arbitrados Enviados

61. M. Moreno, **A. Kosarev**, A. Torres, "Study of a fabrication Process and Characterization of One-Dimensional Array of Un-cooled Micro-bolometers Based on Germanium Films deposited by Plasma" , Mat. Res. Soc. Proc. 2007.
62. **A. Kosarev**, M. Moreno, A. Torres, "Comparison of three Un-cooled Micro-bolometers Configurations Based on Amorphous Germanium Films Deposited by Plasma", Euro-sensors proceedings 2007.
63. Manuel Salim Maza, **Mónico Linares Aranda** "On-chip clock generation and distribution based on interconnected and coupled rings".. Revista Computación y Sistemas. México. 2006. En revisión.
64. **O. Malik**, A. I. Martínez, F.J. De la Hidalga-W, "The physical reason of intense electroluminescence in ITO-Si heteroestructuras",. Enviado para publicación en revista internacional "Thin Solid Films".
65. J. A. Luna-López, M. Aceves-Mijares, **O. Malik**, and Z. Yu, "Compositional and structural characterization of silicon nanoparticles embedded in silicon rich oxide", , Enviado para publicación en "Revista Mexicana de Fisica" después de revisiones.
66. **Zaldívar-Huerta**, P. Mollier, C. Gutiérrez-Martínez & H. Port, "Experimental filtering and tuning of electric-carriers using electro-optical techniques", submitted to Measurement of Elsevier, July 2006. Actualmente se encuentra en proceso de revisión.

CIENCIAS COMPUTACIONALES

67. **Juan Manuel Campos, Rene Cumplido**. A Reconfigurable Architecture for a Modified Viterbi Decoder Suitable for Software Radio. Enviado a Computers & Electrical Engineering. Diciembre 2006.
68. **Tomás Balderas-Contreras, René Cumplido, Claudia Feregrino-Urbe**. On the Design and Implementation of a RISC Processor Extension for the KASUMI Encryption Algorithm. Enviado a Computers & Electrical Engineering. Noviembre 2006.
69. **Santos López-Estrada, René Cumplido**. Knowledge Based System for Target Detection in Changing Environments. Enviado a Knowledge-based Systems. Diciembre 2006.



Artículos Arbitrados Enviados

70. **Ignacio Algreto Badillo, Claudia Feregrino Uribe, René Cumplido**, Design and Implementation of a 1-039 Gbps Non-Pipelined MD5 Architecture, Revista Ingeniería, Investigación y Tecnología, UNAM. Indexada CONACYT.
71. **Miguel Morales-Sandoval, Claudia Feregrino Uribe, Rene Cumplido and Ignacio Algreto-Badillo**. An Area/Performance Trade-Off Análisis of a GF(2^m) Multiplier Architecture for Elliptic Curve Cryptography. Enviado a Computers & Electrical Engineering. Diciembre 2006.
72. **Virgilio Zúñiga Grajeda, Claudia Feregrino Uribe, René Cumplido Parra**, Parallel Hardware/Software Architecture for the BWT and LZ77 Lossless Data Compression Algorithms. Enviado a Revista Computación y Sistemas, CIC, IPN. Padrón CONACYT. Agosto 2006.
73. **Ignacio Alfredo-Badillo, Claudia Feregrino-Urbe, René Cumplido, Miguel Morales-Sandoval**. AES-CCM Architecture for a Security Software-Radio Platform. Enviado a Journal of Mobile Networks and Applications (MONET), Springer-Verlag Publishers. Special issue on Next Generation Hardware Applications for Mobile Computing. Diciembre 2006.
74. **Raúl Rodríguez-Colín, Claudia Feregrino-Urbe**. Robust Watermarking Scheme Applied to Radiological Medical Images. Enviado a IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences. Science Citation Index.
75. **J. Alberto Méndez-Polanco, A. Cristina Palacios-García, Claudia Feregrino-Urbe**, A BTC-Gravity Center Watermarking Scheme for Digital Color Images. Enviado a IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences. Science Citation Index.
76. **Luis Mena, Jesus A. Gonzalez**. Machine Learning Strategies for Imbalanced Datasets: Application in Medical Diagnosis. Enviado a Journal of Machine Learning Research.
77. Emilio Sanchis, Paolo Rosso, **Manuel Montes-y-Gómez**, José M. Gómez Davide Buscaldi, **Luis Villaseñor-Pineda**. JIRS: An N-gram Model-based System for Passage Retrieval. International Journal of Information Processing and Management. Elsevier Ed. Mayo 2006.



Artículos Arbitrados Enviados

78. **Saul E. Pomares Hernández, Luis Alberto Morales Rosales, Jorge Estudillo Ramírez.** Logical Mapping: An intermedia Synchronization Model for Multimedia Distributed Systems. Enviado a: Information Processing Letters, Elsevier, ISSN 0020-0190

79. **Saul E. Pomares Hernández, Luis Alberto Morales Rosales, Eduardo López Dominguez.** An Efficient Δ -Causal Algorithm for Real-Time Distributed Systems. Enviado a: International Journal of Computers and Applications, Acta Press, ISSN 1206-212X

80. **José Antonio Muñoz-Gómez,** Pedro González-Casanova, **Gustavo Rodríguez-Gómez.** Exponential Convergence of Multiquadric Collocation Method: a Numerical Study. Enviado a Ingeniería Investigación y Tecnología.

81. Juan Manuel González Calleros, **Gustavo Rodríguez Gómez,** Jaime Muñoz Arteaga. A traffic Model to Analyze Different Traffic Conditions: Improve of the Flow by Reducing the Density. Enviado a Revista Ingeniería, Investigación y Tecnología.

82. Luis A. Pineda, Hayde Castellanos, Javier Cuétara, Lucian Galescu, Joaquim Llisterri, Patricia Pérez and **Luis Villaseñor.** The DIMEx100 Corpus: Transcription, Evaluation and Applications. Enviado a Language Resources and Evaluation. Springer Ed. Diciembre 2006.