

## Artículos Publicados con Arbitraje

### ASTROFÍSICA

1. Flores, A., Koenigsberger, G., **Cardona, O.**, "The Wolf-Rayet Stars HD 4004 and HD 50896: Two of a kind", AJ 113, 2859-2865 (2007).
2. González-Acosta, E., **Corona-Galindo M.G.**, "Obtaining time-dependent invariants by the Sarlet-Bahar method for a non-linear equation", RMF 53, 1-3 (2007).
3. Gelover-Acosta A.L., **Corona-Galindo M.G.**, T., "Continuous groups of transformations and time-dependent invariants", RMF 53, 112-114 (2007).
4. **Chávez, M., Bertone, E.**, Buzzoni, A., Franchini, M., Malagnini, M.L., Morossi, C., **Rodríguez-Merino, L.**, "Synthetic Mid-UV Spectroscopic Indices of Stars", ApJ 657, 1046-1057 (2007).
5. Loverde M., Hui L., **Gaztañaga, E.**, "Magnification-temperature correlation: The dark side of integrated Sachs-Wolfe measurements", PhRvD 75, 3519 (2007).
6. **Wagg, J.** (estudiante), **Hughes, D.H., Artxaga, I.**, Chapin, E.L., Dunlop, J.S., **Gaztañaga, E.**, Devlin, M., "A broad-band spectroscopic search for CO line emission in HDF850.1: the brightest submillimetre object in the Hubble Deep Field-North", MNRAS 375, 745-752 (2007).
7. Ramírez Hernández O., **Lekht E.E.**, Tolmachev A.M., "Evolution of selected components of the H<sub>2</sub>O maser in Sgr B2." AR 51, 19-26 (2007).
8. **Lekht E.E.**, Munitsyn V.A, Krasnov V.V. "Chain-type structure in the H<sub>2</sub>O maser NGC7538N", AR 51, 27-37 (2007).
9. Barway, S., Kembhavi, A., Wadadekar, Y., Ravikumar, C. D., **Mayya, Y. D.**, "Lenticular Galaxy Formation: Possible Luminosity Dependence", ApJ 661, 37-40 (2007).
10. Basilakos, S., **Plionis, M.**, Kovac, K., Voglis, "Large Scale Structure in the HI Parkes All-Sky Survey: Filling the Voids with HI galaxies?", MNRAS 378, 301-308 (2007).

## Artículos Publicados con Arbitraje

11. Ragone, C., **Plionis, M.**, "Environmental Influences on the Morphology & Dynamics of Group Size Haloes", MNRAS 377, 1785-1794 (2007).
12. **Porras, A.**, Jørgensen, J.K., Allen, L.E., Evans, N.J. II, Bourke, T.L., Alcalá, J.M., Dunham, M.M., Blake, G.A., Chapman, N., Cieza, L., Harvey, P.M., Huard, T.L., Koerner, D.W., Mundy, L.G., Myers, P.C., Padgett, D.L., Sargent, A.I., Stapelfeldt, K.R., Teuben, P., van Dishoeck, E.F., Wahhaj, Z., Young, K.E. "The Spitzer c2d survey of Large, Nearby, Interstellar Clouds. V. Chamaeleon II Observed with IRAC", ApJ 656, 493-504 (2007).
13. Brooke, T.Y.; Huard, T.L.; Bourke, T.L.; Boogert, A. C. Adwin; Allen, L.E.; Blake, G.A.; Evans, N. J. II; Harvey, P. M.; Koerner, D. W.; Mundy, L. G.; Myers, P. C.; Padgett, D.L.; Sargent, A.I.; Stapelfeldt, K.R.; van Dishoeck, E.F.; Chapman, N.; Cieza, L.; Dunham, M.M.; Lai, S-P; **Porras, A.**; Spiesman, W.; Teuben, P. J.; Young, Ch.H.; Wahhaj, Z.; Lee, Ch., "The Spitzer c2d Survey of Nearby Dense Cores. IV. Revealing the Embedded Cluster in B59", ApJ 655, 364-374 (2007).
14. García-Rojas, J. Esteban, C. Peimbert, A. **Rodríguez, M.**, Peimbert, M. Ruiz, M., "The chemical composition of the Galactic H II regions M8 and M17. A revision based on deep VLT echelle spectrophotometry", RMAA 43, 3-31 (2007).
15. López-Sánchez, A. R., Esteban, C., García-Rojas, J., Peimbert, M., **Rodríguez, M.** "The Localized Chemical Pollution in NGC 5253 Revisited: Results from Deep Echelle Spectrophotometry", ApJ 656, 168-185 (2007).
16. **Rosa González, D.**, Schmitt, H., **Terlevich, E.**, **Terlevich, R.**, "Thermal Emission from HII Galaxies: Discovering the Youngest Systems.", ApJ 654, 226-239 (2007).
17. Jiménez-Bailón, E., Guainazzi, M., Loiseau, N., Matt, G., Piconcelli, E., **Rosa González D.**, Santos-Lleó, M., "XMM-Newton View of Galaxy Pairs: Activation of Quiescent black holes?", A&A 469, 881 (2007).
18. López-Sánchez, A. R., Esteban, C., Garcia-Rojas, J. Peimbert, M., **Rodríguez M.**, "The localized chemical pollution in NGC 5253 revisited: Results from deep echelle spectrophotometry", ApJ 656, 168-185 (2007).
19. **Silantiev, N.**, "Polarization of Radiation in Turbulent Magnetized Atmospheres", AR 51, 67-80 (2007).

## Artículos Publicados con Arbitraje

20. **Tenorio-Tagle, G.**, Wunsch, R., **Silich, S.**, Palous, J., " Hydrodynamics of the matter reinserted within superstellar clusters", ApJ 658, 1196-1202(2007).
21. **Tenorio-Tagle, Silich, S., G.**, Muñoz-Tuñon, C., "Superstellar clusters and supergalactic winds", New AR 51, 125-130 (2007).
22. Martinez Delgado I., **Tenorio-Tagle G.**, Muñoz Tuñon C., Moiseev A., Cairos L. M., "Three dimensional spectroscopy of blue compact galaxies: Diagnostic diagrams." AJ133, 2892-2892 (2007).
23. 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, 163-178 (2007).
24. **Tovmassian, H.M.**, Tiersch, H., Tovmassian, G.H., **Chavushyan, V.H.**, Neizvestny, S.I., Pramskij, A.G., Torres-Papaqui, J.P., Rozas M., "Photometric and spectroscopic study of Shakhbazian compact galaxy groups SHCG104, SHCG120, SHCG223, AND SHCG245.", RMxAA, 43, 45-57 (2007).
25. Panuzzo, P., **Vega, O.** (estudiante), Bressan, A., Buson, L.; Clemens, M., Rampazzo, R., Silva, L., **Valdes, J. R.**, Granato, G. L., Danese, L., "The Star Formation History of the Virgo early-type galaxy NGC4435: the Spitzer Mid Infrared view", ApJ 656, 206-216 (2007).
26. **Wall, W. F.**, "Comparison of  $^{13}\text{CO}$  line and Far-Infrared Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: I. Motivation and Modeling", MNRAS 375, 278-300 (2007).
27. **Wall, W.**, "Comparison of  $^{13}\text{CO}$  line and Far- Infrared Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: II. The simulations: testing the method", MNRAS 545-555 (2007).
28. **Wall, W.**, "Comparison of  $^{13}\text{CO}$  line and Far- Infrared Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: III. Systematics and Scientific Implications", MNRAS 377, 556-570 (2007).

## Artículos Publicados con Arbitraje

### ÓPTICA

29. J. Vargas-Ubera, **J. F. Aguilar-Valdez**, **D. M. Gale**. "Reconstruction of particle-size distributions from light-scattering patterns using three inversion methods". *Appl. Opt.*, **46**, 1, (2007), 124-132.
30. J. Vargas-Ubera, J. J. Sánchez-Escobar, **J. F. Aguilar-Valdez**, **D. M. Gale**. "Numerical study of particle-size distributions retrieved from angular Light-scattering data using an evolution strategy with the Fraunhofer approximation". *Appl. Opt.*, **46**, 17, (2007), 3602-3610.
31. McElhinney, J. B. McDonald, **A. Castro-Ibarra**, Y. Frauel, B. Javidi, T. Naughton. "Depth-independent segmentation of macroscopic three-dimensional objects encoded in single perspective of digital holograms". *Opt. Lett.* **32**, (2007), 1229-1231.
32. J. Maycock, B. M. Hennelly, J. B. McDonald, Y. Frauel, **A. Castro-Ibarra**, B. Javidi, T. Naughton. "Reduction of speckle in digital holography by discrete Fourier filtering". *J. Opt. Soc. Am. A* **24**, (2007), 1617-1622.
33. **S. Chávez-Cerda**, J. R. Moya-Cessa, **H. M. Moya-Cessa**. "Quantumlike systems in classical optics: Applications] of quantum optical methods". *Journal of the Optical Society of America B*, **24**, 2, (2007) 404-407.
34. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "High-quality amplitude jitter reduction and extinction enhancement using a power-symmetric NOLM and a polarizer". *Optics Express*, **15**, 5, (2007) 2564-2572.
35. O. Pottiez, **B. Ibarra-Escamilla**, and E. A. Kuzin. "Demonstration of sharp switching from a power-symmetric NOLM and a polarizer". *Optics Communications* **271**, (2007), 543-550.
36. E. Reynoso-Lara, Z. Navarrete-Meza, **M. D. Iturbe-Castillo**, C. G. Treviño-Palacios, E. Martí-Panameño, M. L. Arroyo-Carrasco. "Influence of the photoinduced focal length of a thin nonlinear material in the z-scan technique". *Opt. Exp.* **15**, (2007), 2517-2529.
37. E. Reynoso-Lara, **M. D. Iturbe-Castillo**, E. Martí-Panameño. "Nonlinear optical behavior of developed and bleached photographic film characterized by z-scan technique". *Internet Electrón. J. Nanoc. Moletrón*, **5**, (2007), 903-912.

## Artículos Publicados con Arbitraje

38. **N. Korneev-Zabello**, F. Marroquin-Gutiérrez. "Long-distance propagation of periodic patterns in weakly nonlinear Kerr médium". JOSA B, **24**, (2007), 84-89.
39. **G. Martínez-Niconoff**, J. C. Ramírez San-Juan, J. Muñoz-López, P. Martínez-Vara. "Incoherent convergent difraction free fields". Optics Communications, **275**, (2007), 10-13.
40. M. C. Gather, S. Mansurova, K. Meerholz. "Determining the photoelectric parameters of an organic photoconductor by the photoelectromotive-force technique". Phys. Rev. B **75**, (2007), 165203.
41. **A. Shcherbakov**, A. Yu-Kosarsky, M. Sánchez-Sánchez, V. N. Zvegitsev. "Aplication of picosecond optical guiding-center solitons in single-mode fibers to precise synchronization of a radio-interferometer". Optik, **118**, (2007), 221-231.
42. A. L. Muñoz-Zurita, J. Campos-Acosta, A. Pons-Agilo, **A. Shcherbakov**. "Measuring the reflectance of InGaAs/InP-photodiodes". Optica Pura y Aplicada, **40**, 1, (2007), 105-109.
43. R. Cantú, **E. Tepichín-Rodríguez**, M. A. Rosales-Medina, E. López-Olazagasti, J. Bonilla. "PASA en presbitas y no presbitas". Franja Ocular, **47**, 2007, PAG.
44. A. Padilla-Vivanco, **G. Urcid-Serrano**, F. Granados-Agustín., A. Cornejo-Rodríguez. "Comparative analysis of pattern reconstruction using orthogonal moments". Journal of Optical Engineering, **46**, 1, (2007), 017002-1-15.
45. **H. M. Moya-Cessa**, M. Fández-Guasti. "Time dependent harmonic oscillator subject to a sudden change of mass: Continuous solution". Rev. Mex. Fís., **53**, 1, (2007) 42-46.
46. **A. Shcherbakov**, A. Aguirre-López. "Experimental modeling of algorithms and components for all-optical high-bit-rate digital processors-multipliers using light bullets". Rev. Mex. Fís., **53**, 2, (2007), 96-104.
47. E. Custodio-García, M. Acosta-Alejandro, L. I. Acosta-Pérez, **C. G. Treviño-Palacios**, D. Mendoza-Anaya. "Microstructural characterization of fired clay bricks in the chontalpa region, Tabasco, México". Materials and Manufacturing Processes, **22**, 3, (2007), 298-300.

## Artículos Publicados con Arbitraje

### ELECTRÓNICA

48. A. Morales, J. Barreto, C. C. Domínguez, M. Riera, **M. Aceves**, J. Carrillo. "Comparative Study Between silicon rich-oxide obtained by LPCVD and PECVD" Phisica E 38, pp 54-58 (2007).
49. Antonio Zenteno, Guillermo Espinosa, **Víctor H. Champac**, "Design-for-Test Techniques for Opens in Undetected Branches in CMOS Latches and Flip-Flops", IEEE Transactions on very Large Scale Integration (VLSI) Systems, Vol. 15, No. 5, pp 572-577, May 2007.
50. Peña-Pérez, A.; Tlelo-Cuautle, E.; **Díaz-Méndez**, A.; Sánchez-López, C., "Diseño de un CFOA compatible con CMOS y su Aplicación en Filtros Analógicos", Revista IEEE Latinoamerica, Vol. 5, Issue 2, May 2007. ISSN: 1548-0992, Revista Electrónica
51. **P.Halevi**, Adán S.Sánchez, and E. Galindo-Linares "Tuning and switching of the spontaneous emission in one-dimensional photonic crystals" Optics Communications, 269, 351-355 (2007).
52. E.Galindo-Linares, **P.Halevi**, and Adán S.Sánchez "Tuning of one-dimensional Si/SiO<sub>2</sub> photonic crystals at the wavelength of 1.54 um" Solid State Communications 142,67-70(2007)
53. M. Moreno, **A.Kosarev**, A.Torres, R.Ambrosio. "Fabrication and performance comparison of planar and sandwich structures of micro-bolometers with Ge thermo--sensing layer". Thin Solid Films, In Press, Available on line 16 January, 2007.
54. L. Sánchez, **A.Kosarev**, A.Torres, A.Illinskii, Y.Kudriavtsev, R.Asomoza, P.Roca I Cabarrocas, A.Abramov. "Study of Ge<sub>y</sub>Si<sub>1-y</sub>:H films deposited by low frequency plasma", Thin Solid Films, In Press, Available on line 18 January, 2007.
55. M. Moreno, **A.Kosarev**, A.Torres, R.Ambrosio. "Study of a Fabrication Process and Characterization of One-Dimensional Array of Un-cooled Microbolometers Based on Germanium Films Deposited by Plasma", Mater. Research Symposium Proceedings, 2007 v.989, p.p. 0989-A19-01 – 06.
56. Carlos A. de la Cruz-Blas, Antonio López-Martín, Alfonso Carlosena and **Arturo Sarmiento**, "Multiple operating points in a square-root domain first-order filter",

## Artículos Publicados con Arbitraje

Internacional Journal of Circuit Theory and Applications, Vol. 35, p.p. 71-91, marzo 2007.

57. **Esteban Tlelo-Cuautle**, Jesús-Manuel Muñoz-Pacheco, "Numerical simulation of Chua's circuit oriented to circuit synthesis", International Journal of Nonlinear Sciences and Numerical Simulation, vol. 8, no. 2, pp. 249-256, ISSN: 1565-1339, 2007.
58. **E. Tlelo-Cuautle**, M. A. Duarte-Villaseñor, "Designing Chua's circuit from the behavioral to the transistor level of abstraction", Applied Mathematics and Computation, Vol. 184, Issue 2, pp. 715-720, ISSN: 0096-3003, January 2007. DOI:10.1016/j.amc.2006.05.171.
59. J. M. García-Ortega, **E. Tlelo-Cuautle**, C. Sánchez-López, "Design of current-mode Gm-C filters from the transformation of opamp-RC filters", Journal of Applied Sciences, vol. 7, no. 9, pp. 1321-1326, ISSN: 1812-5654, 2007.
60. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, J.M. García-Ortega, C. Sánchez-López, "Designing SRCOs by combining SPICE and Verilog-A", International Journal of Electronics, vol. 94, no. 4, pp. 373-379, ISSN: 0020-7217, April 2007. DOI: 10.1080/00207210701294940.
61. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, J.M. García-Ortega, "Modelado y Simulación de un Oscilador Caótico usando MatLab", IEEE Latin America Transactions, vol. 5, no. 2, pp. 95-98, ISSN: 1548-0992, May 2007. Arbitrada Revista Electrónica.
62. J. Diaz Carmona, **G. Jovanovic Dolecek**, J. Padilla Medina, "An Algorithm for Computing Design Parameters of IFIR Filters with Low Complexity", Revista Computación y Sistemas , vol.10, N0.2, October-December 2006,pp.99-106. ISSN 1405-5546

## CIENCIAS COMPUTACIONALES

63. J. G. Velásquez-Aguilar, G. Toser, A. Zamudio-Lara and **M. Arias-Estrada**. "Visualization of a supersonic air micro jet by methods of dual-hologram interferometry," Journal of Experiments in Fluids. Springer. Publisher. May 2007. ISSN: 0723-4864 (Print) 1432-1114 (Online). Volume 42, Number 6, June, 2007. pp. 863-869.

## Artículos Publicados con Arbitraje

64. Virgilio Zúñiga Grajeda, **Claudia Feregrino Uribe, René Cumplido Parra**. “Parallel Hardware/Software Architecture for the BWT and LZ77 Lossless Data Compression Algorithms”. Revista Computación y Sistemas, Vol. 10 No. 2, 2006. pp. 172-188. Impreso 2007, ISSN 1405-5546. CIC, IPN. Padrón CONACYT.
65. Salvador Godoy Calderón, **José Francisco Martínez Trinidad**, Manuel Lazo Cortez, Juan Luis Díaz de León Santiago. “A Unified Methodology to Evaluate Supervised and Non-Supervised Classification Algorithms”. Revista Computación y Sistemas, Vol. 9 No 4, 2006. pp 370-379. Octubre 2006, Impreso 2007.
66. Silvia B. González-Brambila and **Eduardo F. Morales**. “Automatic generation of explanations: AGE”. Engineering Applications of Artificial Intelligence Volume 20, Issue 3. ISSN: 0952-1976. April 2007. pp 307-323.
67. Carlos E. Mariano-Romero, Víctor H. Alcocer-Yamanaka and **Eduardo F. Morales**. “Multi-objective optimization of water-using systems”. European Journal of Operational Research Volume 181, ISSN: 0377-2217. September 2007. Issue 3. pp 1691-1707
68. Roshan Duraisamy, Zoran Salcic, Maurizio Adriano Strangio, and **Miguel Morales-Sandoval** “Supporting Symmetric 128-bit AES in Networked Embedded Systems: An Elliptic Curve Key Establishment Protocol-on-Chip” EURASIP Journal on Embedded Systems Volume 2007 (2007), Article ID 65751, 9 pages [CSA Technology Research Database, INSPEC, Technology and Management (TEMA)]
69. Yazid León Fernández de Lara, **Angélica Muñoz Meléndez**. “Investigación sobre los Requerimientos del Movimiento Colectivo Coordinado en un Sistema Multi-agente”. Inteligencia Artificial, Revista Iberoamericana de Inteligencia Artificial. No. 34 (2007), pp 83-103. ISSN: 1137-3601. [Indexada en: The Collection of Computer Science Bibliographies, Digital Bibliography & Library Project (DBLP) Server, DOCIS Documents in Computing and Information Science, Latindex (Catálogo)]
70. S.F. Galán, G. Arroyo-Figueroa, F.J. Díaz, **L.E. Sucar**, “Comparison of two types of Bayesian networks: a case study”. Applied Artificial Intelligence, Volume 21 (3) March 2007, pp. 185 - 209.