



**CENTRO DE ASTROFISICA FONDAP**  
**Publicaciones ISI**

Año: 2005

1. Kaempf, T. A., de Boer, K. S., **Altmann, M.** "Kinematics of RHB stars to trace the structure of the Galaxy".  
*Astronomy and Astrophysics*, 432, 879-888.
2. **Benvenuto, O. G.**, Brunini, A. "Methods for computing giant planet formation and evolution".  
*Monthly Notices of the Royal Astronomical Society*, 356, 1383-1395.
3. Borissova, J., Ivanov, V. D., **Minniti, D., Geisler, D.**, Stephens, A. W. "Discovery of new Milky Way star cluster candidates in the 2MASS point source catalog. III. Follow-up observations of cluster candidates in the Galactic Center region".  
*Astronomy and Astrophysics*, 435, 95-105.
4. Oka, T., Kamegai, K., Hayashida, M., Nagai, M., Ikeda, M., Kuboi, N., Tanaka, K., **Bronfman, L.**, Yamamoto, S. "Atomic Carbon in the Southern Milky Way".  
*The Astrophysical Journal*, 623, 889-896.
5. Araya, E., Hofner, P., Kurtz, S., **Bronfman, L.**, DeDeo, S. "CH<sub>3</sub>CN Observations toward Southern Massive Star-forming Regions".  
*The Astrophysical Journal Supplement Series*, 157, 279-301.
6. **Casassus, S.**, Storey, P. J., Barlow, M. J., Roche, P. F. "Hyperfine splitting of [AlVI] 3.66  $\mu$ m and the Al isotopic ratio in NGC 6302".  
*Monthly Notices of the Royal Astronomical Society*, 359, 1386-1392.
7. Carraro, G., **Méndez, R. A., Costa, E.** "NGC 6404 and 6583: two neglected intermediate-age open clusters located in the Galactic Centre direction".  
*Monthly Notices of the Royal Astronomical Society*, 356, 647-653.
8. Jao, W., Henry, T., Subasavage, J.P., Brown, M.A., Ianna, P.A., Bartlett, J.L., **Costa, E., Méndez, R. A.** "The Solar Neighborhood. XIII. Parallax Results from the CTIOPI 0.9 Meter Program: Stars with  $\mu \geq 1.0'' \text{ yr}^{-1}$  (MOTION Sample)".  
*The Astronomical Journal*, 129, 1954-1967.
9. Menanteau, F., Martel, A., Tozzi, P., Frye, B., Ford, H.C., **Infante, L., Benítez, N., Galaz, G.**, Coe, D., Illingworth, G.D., Hartig, G., Clampin, M. "The Nature of Blue Cores in Spheroids: A Possible Connection with Active Galactic Nuclei and Star Formation".  
*The Astrophysical Journal*, 620, 697-702.



10. Minier, V., Burton, M. G., Hill, T., Pestalozzi, M. R., Purcell, C. R., **Garay, G.**, Walsh, A. J., Longmore, S. "Star-forming protoclusters associated with methanol masers". *Astronomy and Astrophysics*, 429, 945-960.
11. Forte, J. C., Faifer, F., **Geisler, D.** "Globular clusters as tracers of stellar bimodality in elliptical galaxies: the case of NGC 1399". *Monthly Notices of the Royal Astronomical Society*, 357, 56-68.
12. **Geisler, D.**, Smith, V., Wallerstein, G., Gonzalez, G., Charbonnel, C. "'Sculptor-ing' the Galaxy? The Chemical Compositions of Red Giants in the Sculptor Dwarf Spheroidal Galaxy". *The Astronomical Journal*, 129, 1428-1442.
13. Makarova, L. N., Karachentsev, I. D., Grebel, E. K., Harbeck, D., Korotkova, G. G., **Geisler, D.** "Imaging and photometry of nearby dwarf galaxies. II. Southern dwarfs". *Astronomy and Astrophysics*, 433, 751-756.
14. Piatti, A.E., Sarajedini, A. **Geisler, D.**, Seguel, J., Clark, D. "Tracing the formation history of intermediate-age star clusters in the Small Magellanic Cloud". *Monthly Notices of the Royal Astronomical Society*, 358, 1215-1230.
15. Carraro, G., **Geisler, D.**, Baume, G., Vázquez, R., Moitinho, A. "The intermediate-age open clusters Ruprecht 4, Ruprecht 7 and Pismis 15". *Monthly Notices of the Royal Astronomical Society*, 360, 655-661.
16. Bono, G., Marconi, M., Cassisi, S., Caputo, F., **Gieren, W.**, **Pietrzynski, G.** "Classical Cepheid Pulsation Models. X. The Period-Age Relation". *The Astrophysical Journal*, 621, 966-977.
17. **Mennickent, R. E.**, Cidale, L., Díaz, M., **Pietrzynski, G.**, **Gieren, W.**, Sabogal, B. "Revealing the nature of double-periodic blue variables in the Magellanic Clouds". *Monthly Notices of the Royal Astronomical Society*, 357, 1219-1230.
18. Urbaneja, M. A., Herrero, A., Bresolin, F., Kudritzki, R.-P., **Gieren, W.**, Puls, J., Przybilla, N., Najarro, F., **Pietrzynski, G.** "On the alpha-Element Abundance Gradients in the Disk of the Sculptor Spiral Galaxy NGC 300". *The Astrophysical Journal*, 622, 862-877.
19. Mieske, S., **Infante, L.**, Hilker, M., Hertling, G., Blakeslee, J. P., Benítez, N., Ford, H., Zekser, K. "Discovery of two M 32 twins in Abell 1689". *Astronomy and Astrophysics*, 430, L25-L28.



20. Krist, John E., Ardila, D. R., Golimowski, D. A., Clampin, M., Ford, H. C., Illingworth, G. D., Hartig, G. F., Bartko, F., Benítez, N., Blakeslee, J. P., Bouwens, R. J., Bradley, L. D., Broadhurst, T. J., Brown, R. A., Burrows, C. J., Cheng, E. S., Cross, N. J. G., Demarco, R., Feldman, P. D., Franx, M., Goto, T., Gronwall, C., Holden, B., Homeier, N., **Infante, L.**, Kimble, R. A., Lesser, M. P., Martel, A. R., Mei, S., Menanteau, F., Meurer, G. R., Miley, G. K., **Motta, V.**, Postman, M., Rosati, P., Sirianni, M., Sparks, W. B., Tran, H. D., Tsvetanov, Z. I., White, R. L., Zheng, W. "Hubble Space Telescope Advanced Camera for Surveys Coronagraphic Imaging of the AU Microscopii Debris Disk".  
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21. Coenda, V., Donzelli, C.J., Muriel, H., **Quintana, H.**, **Infante, L.**, Lambas, D.G. "Photometric Observations of Southern Abell Clusters Redshifts Survey Clusters: Galaxy Luminosity Profiles".  
The Astronomical Journal, 129, 1237-1248.
22. Broadhurst, T., Benítez, N., Coe, D., Sharon, K., Zekser, K., White, R., Ford, H., Bouwens, R., Blakeslee, J., Clampin, M., Cross, N., Franx, M., Frye, B., Hartig, G., Illingworth, G., **Infante, L.**, Menanteau, F., Meurer, G., Postman, M., Ardila, D. R., Bartko, F., Brown, R. A., Burrows, C. J., Cheng, E. S., Feldman, P. D., Golimowski, D. A., Goto, T., Gronwall, C., Herranz, D., Holden, B., Homeier, N., Krist, J. E., Lesser, M. P., Martel, A. R., Miley, G. K., Rosati, P., Sirianni, M., Sparks, W. B., Steindling, S., Tran, H. D., Tsvetanov, Z. I., Zheng, W. "Strong-Lensing Analysis of A1689 from Deep Advanced Camera Images".  
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The Astrophysical Journal, 621, 188-200.
24. Homeier, N. L., Demarco, R., Rosati, P., Postman, M., Blakeslee, J. P., Bouwens, R. J., Bradley, L. D., Ford, H. C., Goto, T., Gronwall, C., Holden, B., Jee, M. J., Martel, A. R., Mei, S., Menanteau, F., Zirm, A., Clampin, M., Hartig, G. F., Illingworth, G. D., Ardila, D. R., Bartko, F., Benítez, N., Broadhurst, T. J., Brown, R. A., Burrows, C. J., Cheng, E. S., Cross, N. J. G., Feldman, P. D., Franx, M., Golimowski, D. A., **Infante, L.**, Kimble, R. A., Krist, J. E., Lesser, M. P., Meurer, G. R., Miley, G. K., **Motta, V.**, Sirianni, M., Sparks, W. B., Tran, H. D., Tsvetanov, Z. I., White, R. L., Zheng, W. "The Transformation of Cluster Galaxies at Intermediate Redshift".  
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26. Skelton, J. E., Lawrence, A., Pappa, A., **Lira, P.**, Almaini, O. "Short time-scale optical variability of the dwarf Seyfert nucleus in NGC 4395".  
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Astronomy and Astrophysics, 436, 527-534.
31. Schmidtobreik, L., Tappert, C., Bianchini, A., **Mennickent, R.** "Spectroscopic analysis of tremendous-outburst-nova candidates".  
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32. Uemura, M., **Mennickent, R.**, Ishioka, R., Imada, A., Kato, T., Nogami, D., Stubbings, R., Kiyota, S., Nelson, P., Tanabe, K., Heathcote, B., Bolt, G. "TV Corvi revisited: Precursor and superhump period derivative linked to the disk instability model".  
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36. González, J.F., Ostrov, P., Morrell, N., **Minniti, D.** "Absolute Parameters for Eight Eclipsing Binaries in the Large Magellanic Cloud: The Mass-Luminosity Relation".  
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37. Sumi, T., Wozniak, P.R., Eyer, L., Dobrzycki, A., Udalski, A., Szymanski, M.K., Kubiak, M., **Pietrzynski, G.**, Soszynski, I., Zebrun, K., Szewczyk, O., Wyrzykowski, L. "Variability-selected QSO candidates in OGLE-II Galactic bulge fields".  
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39. Andreon, S., Valtchanov, I., Jones, L. R., Altieri, B., Bremer, M., Willis, J., Pierre, M., **Quintana, H.** "Batch discovery of nine  $z \sim 1$  clusters using X-ray and K or R, z' images".  
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53. Mediavilla, E., Muñoz, J. A., Kochanek, C. S., Falco, E. E., Arribas, S., **Motta, V.** "The First Precise Determination of an Optical-Far-Ultraviolet Extinction Curve Beyond the Local Group ( $z=0.83$ ).  
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