

## AUTHOR INDEX

- Abad, C.** Solar Motion using all Hipparcos.  
*C. Abad & K. Vieira.* 112
- Abadi, M.G.** Measuring the large-scale structure of the universe with the Updated Zwicky Catalogue. *A. Zandivarez & M.G. Abadi.* 137
- Abadi, M.G.** The Determination of the Mass Power Spectrum from the Mass Function of Galaxy Clusters. *A.G. Sánchez, D. García Lambas, M. G. Abadi & N.D. Padilla.* 139
- Abraham, Z.** 3C 120: relation between optical variability and superluminal motions. *A. Caproni and Z. Abraham.* 74
- Abraham, Z.** Five-year optical variability of bright extragalactic sources. *T.P. Dominici, Z. Abraham, R. Teixeira & P. Benevides-Soares.* 140
- Abraham, Z.** Maser Effects in the Recombination Lines of Eta Carinae. *Z. Abraham, A. Damineli, P. Durouchoux, L.A. Nyman, & F. MacAuliffe.* 22
- Abt, H.A.** Rotational velocities of B stars.  
*H.A. Abt, H. Levato & M. Grossi.* 111
- Agüero, E.** Anillos adentro: las regiones centrales de NGC 1433. *R.J. Díaz, E. Agüero, E. Bajaja & G. Carranza.* 143
- Agüero, E.** El par de galaxias interactuantes VV 780. *G. Günthardt, E. Agüero & R.J. Díaz.* 142
- Agüero, E.** Una fusión de galaxias. *E. Agüero, R.J. Díaz & S. Paolantonio.* 142
- Agüero, M.P.** Distribución de Masa en Galaxias Espirales. *M.P. Agüero, R.J. Díaz & M. Oddone.* 141
- Agüero, M.P.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón.* 142
- Aguilar, A.** Physical parameters of RR Lyraes in globular clusters from long term CCD photometry. *A. Arellano Ferro, A. Aguilar, Z. Marín & P. Rosenzweig.* 39
- Ahumada, A.V.** Exploring star cluster properties at the SMC metallicity level. *A.V. Ahumada, J.J. Clariá, E. Bica & C.M. Dutra.* 127
- Ahumada, A.V.** Integrated Spectral Properties of 13 Open Galactic Clusters. *A.V. Ahumada, J.J. Clariá, E. Bica, C.M. Dutra & M.C. Torres.* 126
- Ahumada, A.V.** Study of the Transparency of the Magellanic Clouds from Integrated Spectroscopy of Background Galaxies. *C.M. Dutra, E. Bica, J.J. Clariá, A.E. Piatti & A.V. Ahumada.* 144
- Ahumada, J.** Photometry of asteroids members of Maria and Themis Families. *A.A. Alvarez Candal, S. Fernández, J. Ahumada, & R. Duffard.* 104
- Ahumada, J.A.** Fotometría CCD de los cúmulos abiertos Haffner 17 y Harvard 6. *J.A. Ahumada & E. Lapasset.* 124
- Alessi, B.S.** Membership and proper motions of a large sample of open clusters. *W.S. Dias, J.R.D. Lépine & B.S. Alessi.* 124
- Alonso, M.S.** Elemental Abundance studies of CP stars. The helium-weak group I. HD 19400, HD 34797 and HD 35456. *M.S. Alonso, Z. López García & S.M. Malaroda.* 119
- Alonso, M.V.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Alonso, M.V.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Altavista, C.** Projective methods in dynamics and other fields of Physics. *C. Altavista.* 106
- Althaus, L.G.** Time Dependent Diffusion in ZZ Ceti Stars: Asteroseismology of G117B-15A. *A.H. Córscico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 119
- Althaus, L.G.** Apsidal motion in binary systems as a tool for determination of stellar masses: system HD 93205 (O3V+O8V). *A.M. Serenelli, O.G. Benvenuto, L.G. Althaus, R. Barbá, & N.I. Morrell.* 19
- Althaus, L.G.** Evolution of helium core white dwarfs with different metallicities. *A.M. Serenelli, L.G. Althaus, R.D. Rohrmann & O.G. Benvenuto.* 116
- Althaus, L.G.** The Effects of Element Diffusion

- on the Pulsational Properties of ZZ Ceti Stars.  
*A.H. Cársico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 122
- Althaus, L.G.** The evolution of intermediate mass stars from the main sequence to the white dwarf stage. *A.M. Serenelli, L.G. Althaus, O.G. Benvenuto, & A.H. Cársico.* 18
- Alvarez Candal, A.A.** Photometry of asteroids members of Maria and Themis Families.  
*A.A. Alvarez Candal, S. Fernández, J. Ahumada, & R. Duffard.* 104
- Alvarez, A.A.** The Extinction coefficient of Bosque Alegre Astrophysical Station. *A.A. Alvarez, S. Coca, C. Chavero & R. Duffard.* 149
- Andersen, J.** Membership, Binarity and Stellar Evolution of Red Giants in the Open Clusters NGC 2324, NGC 2818, NGC 3960 and NGC 6259.  
*J.C. Mermilliod, J.J. Clariá, J. Andersen, A.E. Piatti & M. Mayor.* 126
- Angeli, C.A.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angeli, R. Duffárd & M. Florczak.* 104
- Anglada, G.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Arellano Ferro, A.** Physical parameters of RR Lyraes in globular clusters from long term CCD photometry. *A. Arellano Ferro, A. Aguilar, Z. Marín & P. Rosenzweig.* 39
- Arias, J.I.** The massive double-lined O-type binary HD 165052. *J.I. Arias, N.I. Morrell, R.H. Barbá, G.L. Bosch & M. Grossi.* 118
- Arias, M.L.** Properties of Be star circumstellar envelopes deduced from Fe II emission lines.  
*M.L. Arias, J. Zorec, L. Cidale, J. Chauville & D. Bullereau.* 120
- Arnal, E.M.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Arnal, E.M.** Distribution and kinematics of HI in the Galactic quadrant III. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Arnal, E.M.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell.  
*R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134
- Arnal, E.M.** Structure and kinematics of the HI in the surroundings of the Sco-Cen association.  
*W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Arnal, E.M.** The interaction of BD+24° 3866 and BD+24° 3881 with the surrounding ISM.  
*C. Cappa, S. Pineault, E.M. Arnal & S. Cichowolski.* 134
- Arnal, E.M.** The molecular gas associated with Ara OB1. *E.M. Arnal & G.A. Romero.* 130
- Artigue, F.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman.* 103
- Avila-Reese, V.** Formation and evolution of disk galaxies. *V. Avila-Reese & C. Firmani.* 91
- Azcárate, I.N.** A measurement of the atmospheric secondary charged cosmic radiation at a place of 11.5 GV geomagnetic cut-off. *I.N. Azcárate.* 133
- Bajaja, E.** Anillos adentro: las regiones centrales de NGC 1433. *R.J. Díaz, E. Agüero, E. Bajaja & G. Carranza.* 143
- Bajaja, E.** Distribution and kinematics of HI in the Galactic quadrant III. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Bajaja, E.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell.  
*R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134
- Bajaja, E.** Structure and kinematics of the HI in the surroundings of the Sco-Cen association.  
*W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Ballereau, D.** New VSINI determinations and physical properties of circumstellar envelopes in Be stars. *J. Zorec, J. Chauville, D. Ballereau, N. Morrell & L. Cidale.* 114
- Balmaceda, L.** On the evolution of the diurnal atmospheric opacity at EL LEONCITO.  
*N. Mazza, N. Nuñez, L. Balmaceda, C. Francile & G. Stenborg.* 150
- Barbá, R.** Apsidal motion in binary systems as a tool for determination of stellar masses: system HD 93205 (O3V+O8V). *A.M. Serenelli, O.G. Benvenuto, L.G. Althaus, R. Barbá, & N.I. Morrell.* 19
- Barbá, R.H.** The massive double-lined O-type binary HD 165052. *J.I. Arias, N.I. Morrell, R.H. Barbá, G.L. Bosch & M. Grossi.* 118
- Barbuy, B.** Mapping out the interstellar extinction in the central 10 degrees of the Galaxy with 2MASS. *C.M. Dutra, B.X. Santiago, B. Barbuy & E. Bica.* 133

- Barbuy, B.** The Galactic Bulge. *B. Barbuy*. 29
- Barrera, R.S.** Membership in the region of the open cluster NGC2244 via the EM algorithm. *M.A. Higuera G., A. Uribe, & R.S. Barrera*. 33
- Bassino, L.P.** CCD Photometry of the Open Cluster NGC 2395. *L.P. Bassino & R.E. Martínez*. 125
- Baugh, C.M.** High order bias in ellipsoidal collapse model. *M.C. Pivato, N.D. Padilla, D. García Lambas & C.M. Baugh*. 140
- Baume, G.** NGC 3293: Its Main Sequence Structure. *G. Baume, R.A. Vázquez, & A. Feinstein*. 37
- Baume, G.** Photometric Study in Stock 16. *G. Baume, R.A. Vázquez & A. Feinstein*. 128
- Baume, G.** Photometric study of NGC 2571. *E.E. Giorgi, R.A. Vázquez, G. Baume, W. Seggewiss, & J.M. Will*. 35
- Belizón, F.** El Círculo Meridiano Automático de San Fernando en San Juan. *M. Vallejo, J.L. Muiños, F. Belizón, C. Mallamacci, & J.A. Pérez*. 102
- Bellizón, F.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muiños, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro*. 101
- Benaglia, P.** The microquasar LS 5039 and the SNR G016.8-01.1. *M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí*. 137
- Benevides-Soares, P.** Five-year optical variability of bright extragalactic sources. *T.P. Dominici, Z. Abraham, R. Teixeira & P. Benevides-Soares*. 140
- Benvenuto, O.G.** Apsidal motion in binary systems as a tool for determination of stellar masses: system HD 93205 (O3V+O8V). *A.M. Serenelli, O.G. Benvenuto, L.G. Althaus, R. Barbá, & N.I. Morrell*. 19
- Benvenuto, O.G.** Chemical Diffusion in Stellar Convective Regions. *J.A. Panei & O.G. Benvenuto*. 26
- Benvenuto, O.G.** Evolution of helium core white dwarfs with different metallicities. *A.M. Serenelli, L.G. Althaus, R.D. Rohrmann & O.G. Benvenuto*. 116
- Benvenuto, O.G.** Stellar Evolution Of Massive Stars Up The Asymptotic Giant Branch. *J.A. Panei & O.G. Benvenuto*. 112
- Benvenuto, O.G.** The Effects of Element Diffusion on the Pulsational Properties of ZZ Ceti Stars. *A.H. Córscico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli*. 122
- Benvenuto, O.G.** The evolution of intermediate mass stars from the main sequence to the white dwarf stage. *A.M. Serenelli, L.G. Althaus, O.G. Benvenuto, & A.H. Córscico*. 18
- Benvenuto, O.G.** Time Dependent Diffusion in ZZ Ceti Stars: Asteroseismology of G117B-15A. *A.H. Córscico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli*. 119
- Berry, D.S.** Faint light in clusters of galaxies. *S.N. Kemp, A. Katsiyannis, J. Meaburn, M. Chávez, & D.S. Berry*. 70
- Bersanelli, M.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres*. 148
- Bica, E.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos*. 145
- Bica, E.** CCD Washington Photometry of the Oldest Intermediate-Age Clusters NGC 2121, NGC 2155 and SL 896 (LW 480) in the Large Magellanic Cloud. *A.E. Piatti, A. Sarajedini, D. Geisler, E. Bica & J.J. Clariá*. 127
- Bica, E.** Exploring star cluster properties at the SMC metallicity level. *A.V. Ahumada, J.J. Clariá, E. Bica & C.M. Dutra*. 127
- Bica, E.** Integrated Spectral Properties of 13 Open Galactic Clusters. *A.V. Ahumada, J.J. Clariá, E. Bica, C.M. Dutra & M.C. Torres*. 126
- Bica, E.** Mapping out the interstellar extinction in the central 10 degrees of the Galaxy with 2MASS. *C.M. Dutra, B.X. Santiago, B. Barbuy & E. Bica*. 133
- Bica, E.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz*. 123
- Bica, E.** Study of the Transparency of the Magellanic Clouds from Integrated Spectroscopy of Background Galaxies. *C.M. Dutra, E. Bica, J.J. Clariá, A.E. Piatti & A.V. Ahumada*. 144
- Bjorkman, K.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko,, H. Levato, K. Bjorkman, M. Grosso, S. Malaroda & G. Solivella*. 120
- Boice, D.C.** Pre-Encounter Models of Comet 19P/Borrelly for the Deep Space 1 Mission. *D.C. Boice, R. Wegmann, J.I. Watanabe, A.A. de Almeida & M.V. Canaves*. 103
- Bosch, G.L.** The massive double-lined O-type binary HD 165052. *J.I. Arias, N.I. Morrell*,

- R.H. Barbá, G.L. Bosch & M. Grossó.* 118
- Braga, J.** MASCO Gamma-ray experiment laboratory images. *T. Villela, J. Braga, J. Mejía, E. Rinke & R. Fonseca.* 147
- Brunini, A.** Orbital migrations in planetesimal disks. *R.G. Cionco & A. Brunini.* 11
- Buccino, A.P.** The Mg II lines as indicators of solar and stellar activity. *A.P. Buccino & P.J.D. Mauas.* 116
- Bullereau, D.** Properties of Be star circumstellar envelopes deduced from Fe II emission lines. *M.L. Arias, J. Zorec, L. Cidale, J. Chauville & D. Bullereau.* 120
- Bustos Fierro, I.** Bidimensional digitization of photographic stellar spectra of Córdoba Observatory. *J.H. Calderón, M. Villada & I. Bustos Fierro.* 148
- Bustos Fierro, I.H.** Measurement of astrometric plates with CCD. *I.H. Bustos Fierro & J. H. Calderón.* 149
- Córsico, A.H.** The Effects of Element Diffusion on the Pulsational Properties of ZZ Ceti Stars. *A.H. Córsico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 122
- Córsico, A.H.** The evolution of intermediate mass stars from the main sequence to the white dwarf stage. *A.M. Serenelli, L.G. Althaus, O.G. Benvenuto, & A.H. Córsico.* 18
- Córsico, A.H.** Time Dependent Diffusion in ZZ Ceti Stars: Asteroseismology of G117B-15A. *A.H. Córsico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 119
- Calderón, J.** Photometry of Compact Groups of Galaxies: Shakhbazyan 362 & 166. *J. Calderón, M. Campos, G. Gimeno & R.J. Díaz.* 141
- Calderón, J.C.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón.* 142
- Calderón, J.H.** Bidimensional digitization of photographic stellar spectra of Córdoba Observatory. *J.H. Calderón, M. Villada & I. Bustos Fierro.* 148
- Calderón, J.H.** Measurement of astrometric plates with CCD. *I.H. Bustos Fierro & J. H. Calderón.* 149
- Calvão, M.O.** Non-spherical collapse models and the cosmological mass function. *M. Makler, T. Kodama, & M.O. Calvão.* 90
- Campos, M.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón.* 142
- Campos, M.** Photometry of Compact Groups of Galaxies: Shakhbazyan 362 & 166. *J. Calderón, M. Campos, G. Gimeno & R.J. Díaz.* 141
- Canaves, M.V.** Pre-Encounter Models of Comet 19P/Borrelly for the Deep Space 1 Mission. *D.C. Boice, R. Wegmann, J.I. Watanabe, A.A. de Almeida & M.V. Canaves.* 103
- Candia, P.** Optical and Infrared Light Curve of SN2000cx. *J. Cuadra, N.B. Suntzeff, P. Candia, K. Krisciunas & M.M. Phillips.* 121
- Cantó, J.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Capelato, H.V.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué.* 137
- Cappa, C.** The interaction of BD+24° 3866 and BD+24° 3881 with the surrounding ISM. *C. Cappa, S. Pineault, E.M. Arnal & S. Cichowolski.* 134
- Cappa, C.** VLA radio continuum observations of WR ring nebulae. *C. Cappa, W.M. Goss, & S. Pineault.* 24
- Cappa, C.E.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Caproni, A.** 3C 120: relation between optical variability and superluminal motions. *A. Caproni and Z. Abraham.* 74
- Caretta, C.A.** The Aquarius Superclusters. *C.A. Caretta, M.A.G. Maia, & C.N.A. Willmer.* 76
- Carpintero, D.D.** Dynamics of Galactic Satellites on Elongated Orbits. *J.C. Muzzio, F.C. Wachlin, & D.D. Carpintero.* 69
- Carpintero, D.D.** Interstellar Matter in Globular Clusters. *L.J. Pellizza González, J.C. Forte & D.D. Carpintero.* 132
- Carramiñana, A.** Geminga-like pulsars. *A. Carramiñana.* 53
- Carranza, G.** Anillos adentro: las regiones centrales de NGC 1433. *R.J. Díaz, E. Agüero, E. Bajaja & G. Carranza.* 143
- Carranza, G.** Catalogue of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza.*

- 144
- Carranza, G.** Estructuras circunnucleares en la galaxia activa interactuante NGC 1241: Cinemática y morfología en bandas ópticas e IR (HST y Gemini). *R.J. Díaz, H. Dottori, N. Villamizar, & G. Carranza.* 71
- Carranza, G.** Morphology, Kinematics and Spectroscopy of the Pavus Triple System. *M.A. Oddone, R.J. Díaz, G. Carranza & G. Goldes.* 145
- Carranza, G.** Observations of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza.* 144
- Carranza, G.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Carranza, G.** Orientación espacial de nebulosas planetarias elongadas en la Vía Láctea. *W. Weidmann, R. Díaz & G. Carranza.* 131
- Carvano, J.M.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angeli, R. Duffárd & M. Florczak.* 104
- Casares, J.** New results on the microquasar LS 5039. *J.M. Paredes, J. Casares, C. Zurita, J. Martí, & M. Ribó.* 55
- Castañeda, J.M.** Internal Variation of Electron Density in Galactic and Extragalactic HII Regions. *J.A.H. Mallmann, M.V.F. Copetti, I.C.F. dos Santos, H.O. Castañeda, & J.M. Vilchez.* 57
- Chávez, M.** Faint light in clusters of galaxies. *S.N. Kemp, A. Katsiyannis, J. Meaburn, M. Chávez, & D.S. Berry.* 70
- Chaudeville, J.** New VSINI determinations and physical properties of circumstellar envelopes in Be stars. *J. Zorec, J. Chauville, D. Ballereau, N. Morrell & L. Cidale.* 114
- Chauville, J.** Properties of Be star circumstellar envelopes deduced from Fe II emission lines. *M.L. Arias, J. Zorec, L. Cidale, J. Chauville & D. Ballereau.* 120
- Chavero, C.** The Extinction coefficient of Bosque Alegre Astrophysical Station. *A.A. Alvarez, S. Coca, C. Chavero & R. Duffard.* 149
- Chiappini, C.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Childers, J.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Cichowolski, S.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Cichowolski, S.** The interaction of BD+24° 3866 and BD+24° 3881 with the surrounding ISM. *C. Cappa, S. Pineault, E.M. Arnal & S. Cichowolski.* 134
- Cid Ferandes, R.** Triggering AGN's: an evolutionary scenario. *T. Storchi-Bergmann, R. Cid Fernandes, R. González Delgado, H.R. Schmitt, & T. Heckman.* 81
- Cidale, L.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere. *A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo.* 118
- Cidale, L.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar.* 113
- Cidale, L.** Fundamental parameters of Be stars taking into account their fast rotation. *J. Zorec, Y. Frémat, A.M. Hubert, M. Floquet & L. Cidale.* 114
- Cidale, L.** New VSINI determinations and physical properties of circumstellar envelopes in Be stars. *J. Zorec, J. Chauville, D. Ballereau, N. Morrell & L. Cidale.* 114
- Cidale, L.** Properties of Be star circumstellar envelopes deduced from Fe II emission lines. *M.L. Arias, J. Zorec, L. Cidale, J. Chauville & D. Ballereau.* 120
- Cidale, L.** Spectral classification of stars with the B[e] phenomenon. *A. Smith-Castelli, J. Zorec & L. Cidale.* 113
- Cidale, L.** H line formation in the IR spectrum of Be stars. *L. Cidale, R. Venero, J. Zorec & J.P. Maillard.* 121
- Cincunegui, C.** Indicators of Solar and Stellar activity. *P.J.D. Mauas & C. Cincunegui.* 15
- Cionco, R.G.** Orbital migrations in planetesimal disks. *R.G. Cionco & A. Brunini.* 11
- Clariá, J.J.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos.* 145

- Clariá, J.J.** CCD Washington Photometry of the Oldest Intermediate-Age Clusters NGC 2121, NGC 2155 and SL 896 (LW 480) in the Large Magellanic Cloud. *A.E. Piatti, A. Sarajedini, D. Geisler, E. Bica & J.J. Clariá.* 127
- Clariá, J.J.** Exploring star cluster properties at the SMC metallicity level. *A.V. Ahumada, J.J. Clariá, E. Bica & C.M. Dutra.* 127
- Clariá, J.J.** Integrated Spectral Properties of 13 Open Galactic Clusters. *A.V. Ahumada, J.J. Clariá, E. Bica, C.M. Dutra & M.C. Torres.* 126
- Clariá, J.J.** Membership, Binarity and Stellar Evolution of Red Giants in the Open Clusters NGC 2324, NGC 2818, NGC 3960 and NGC 6259. *J.C. Mermilliod, J.J. Clariá, J. Andersen, A.E. Piatti & M. Mayor.* 126
- Clariá, J.J.** Photometric Survey of Southern Open Clusters: Melotte 105, Hogg 15, Pismis 21 and Ruprecht 140. *A.E. Piatti & J.J. Clariá.* 127
- Clariá, J.J.** Study of the Transparency of the Magellanic Clouds from Integrated Spectroscopy of Background Galaxies. *C.M. Dutra, E. Bica, J.J. Clariá, A.E. Piatti & A.V. Ahumada.* 144
- Clariá, J.J.** Preface. *Juan José Clariá, Diego García Lambas y Hugo Levato.* vii
- Coca, S.** The Extinction coefficient of Bosque Alegre Astrophysical Station. *A.A. Alvarez, S. Coca, C. Chavero & R. Duffard.* 149
- Coldwell, G.V.** The environment of active objects in the nearby universe. *G.V. Coldwell, H.J. Martínez & D. García Lambas.* 140
- Copetti, M.V.F.** Internal Variation of Electron Density in Galactic and Extragalactic HII Regions. *J.A.H. Mallmann, M.V.F. Copetti, I.C.F. dos Santos, H.O. Castañeda, & J.M. Vilchez.* 57
- Copetti, M.V.F.** On the Ionizing Sources of HII Regions. *O.L. Dors Jr. & M.V.F. Copetti.* 54
- Correia, E.** Dynamics of the coronal magnetic fields inferred from multifrequency radio observations of a solar flare. *E. Correia, J.-P. Raulin, P. Kaufmann & G. Trottet.* 109
- Correia, E.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Correia, E.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia,*
- A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Costa, J.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Crowl, H.H.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos.* 145
- Cruz-González, I.** H<sub>2</sub> kinematics of outflows. *I. Cruz-González & L. Salas.* 59
- Cruzado, A.** Atomic levels population under NLTE conditions. *A. Cruzado & A.E. Ringuelet.* 117
- Cuadra, J.** Optical and Infrared Light Curve of SN2000cx. *J. Cuadra, N.B. Suntzeff, P. Candia, K. Krisciunas & M.M. Phillips.* 121
- Cuevas, H.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué.* 137
- Curé, M** Disk formation in Be-stars due to line driven stellar wind and rotation. *M. Curé.* 23
- Curiel, S.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- da Costa, L.N.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- D'Amici, G.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Damineli, A.** Maser Effects in the Recombination Lines of Eta Carinae. *Z. Abraham, A. Damineli, P. Durouchoux, L.A. Nyman, & F. MacAuliffe.* 22
- de Almeida, A.A.** Pre-Encounter Models of Comet 19P/Borrelly for the Deep Space 1 Mission. *D.C. Boice, R. Wegmann, J.I. Watanabe, A.A. de Almeida & M.V. Canaves.* 103
- de Amôres, E.B.** Models for the Galactic structure and evidence of a bar at the galactic center. *E.B. de Amôres & J.R.D. Lépine.* 147

- de Carvalho, R.** Resolving Stellar Cluster Enigmas through N-body Simulations. *H. Dottori, A. Fausti, M.R. de Oliveira & R.R. de Carvalho.* 34
- de Gouveia Dal Pino, E.M.** Acceleration of Ultra-High-Energy Cosmic-Rays in Accretion-Induced Collapse Pulsars in the Local Universe. *E.M. de Gouveia Dal Pino & A. Lazarian.* 143
- de Gouveia Dal Pino, E.M.** Asymmetric type Ia supernova explosions. *C.R. Ghezzi, E.M. de Gouveia Dal Pino & J.E. Horvath.* 117
- de la Fuente, E.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- de Oliveira, M.R.** Resolving Stellar Cluster Enigmas through N-body Simulations. *H. Dottori, A. Fausti, M.R. de Oliveira & R.R. de Carvalho.* 34
- Démoulin, P.** High Resolution Observations of Reconnected Magnetic Loops. *M.L. Luoni, C.H. Mandrini, Y. Karim, B. Schieder & P. Démoulin.* 107
- Démoulin, P.** Inferring the writhe of emerging flux tubes from the evolution of the orientation of bipole axes. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi & A. Pevtsov.* 108
- Démoulin, P.** Peculiar active regions during the last two solar cycles. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin & L. van Driel-Gesztelyi.* 107
- Desert, J.M.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar.* 113
- de Souza, A.D.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer.* 115
- Dias, W.S.** Membership and proper motions of a large sample of open clusters. *W.S. Dias, J.R.D. Lépine & B.S. Alessi.* 124
- Díaz, E.** Catálogos Sintéticos de Galaxias y Cúmulos de Galaxias. *E. Díaz, M. Merchan, H. Muriel & D. García Lambas.* 146
- Díaz, E.** Mapeos de vientos galácticos en IR mergers y QSOs. *S. Liipari, E. Mediavilla & R. Díaz.* 140
- Díaz, R.** Orientación espacial de nebulosas planetarias elongadas en la Vía Láctea. *W. Weidmann, R. Díaz & G. Carranza.* 131
- Díaz, R. J.** Physical Conditions of the Ionized Gas in the Central Regions of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Díaz, R.J.** Anillos adentro: las regiones centrales de NGC 1433. *R.J. Díaz, E. Agüero, E. Bajaja & G. Carranza.* 143
- Díaz, R.J.** Catalogue of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza.* 144
- Díaz, R.J.** Distribución de Masa en Galaxias Espirales. *M.P. Agüero, R.J. Díaz & M. Oddone.* 141
- Díaz, R.J.** El par de galaxias interactuantes VV 780. *G. Günthardt, E. Agüero & R.J. Díaz.* 142
- Díaz, R.J.** Espectroscopía, fotometría y polarimetría del blazar PKS 2155-304. *R.J. Díaz, R.L. Tommasi & E. Pian.* 143
- Díaz, R.J.** Estructuras circunnucleares en la galaxia activa interactuante NGC 1241: Cinemática y morfología en bandas ópticas e IR (HST y Gemini). *R.J. Díaz, H. Dottori, N. Villamizar, & G. Carranza.* 71
- Díaz, R.J.** Morphology, Kinematics and Spectroscopy of the Pavus Triple System. *M.A. Oddone, R.J. Díaz, G. Carranza & G. Goldes.* 145
- Díaz, R.J.** Nuclear and Circumnuclear Kinematics of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Díaz, R.J.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón.* 142
- Díaz, R.J.** Observations of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza.* 144
- Díaz, R.J.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Díaz, R.J.** Photometry of Compact Groups of Galaxies: Shakhbazyan 362 & 166. *J. Calderón, M. Campos, G. Gimeno & R.J. Díaz.* 141
- Díaz, R.J.** Una fusión de galaxias. *E. Agüero, R.J. Díaz & S. Paolantonio.* 142

- Dirsch, B.** The mass profile of NGC 1399 determined from globular cluster dynamics.  
*B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Domínguez, M.** Environmental Effects on Galaxies in Clusters. *M. Domínguez, B. Moore, & F. Pearce.* 75
- Domínguez, M.** Morphological segregation in intermediate redshift clusters. *M. Domínguez, H. Muriel & D. García Lambas.* 141
- Domínguez-Tenreiro, R.** The effects of mergers on the astrophysical properties of galaxy-like objects. *C. Scannapieco, P. Tissera, R. Domínguez-Tenreiro & A. Sáiz.* 138
- Dominici, T.P.** Five-year optical variability of bright extragalactic sources. *T.P. Dominici, Z. Abraham, R. Teixeira & P. Benevides-Soares.* 140
- Dors Jr., O.L.** On the Ionizing Sources of HII Regions. *O.L. Dors Jr. & M.V.F. Copetti.* 54
- dos Santos, I.C.F.** Internal Variation of Electron Density in Galactic and Extragalactic HII Regions. *J.A.H. Mallmann, M.V.F. Copetti, I.C.F. dos Santos, H.O. Castañeda, & J.M. Vilchez.* 57
- Dottori, H.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Dottori, H.** Estructuras circunnucleares en la galaxia activa interactuante NGC 1241: Cinemática y morfología en bandas ópticas e IR (HST y Gemini). *R.J. Díaz, H. Dottori, N. Villamizar, & G. Carranza.* 71
- Dottori, H.** Nuclear and Circumnuclear Kinematics of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Dottori, H.** Physical Conditions of the Ionized Gas in the Central Regions of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Dottori, H.** Resolving Stellar Cluster Enigmas through N-body Simulations. *H. Dottori, A. Fausti, M.R. de Oliveira & R.R. de Carvalho.* 34
- Dubner, G.** The complex relations between Supernova Remnants and Neutron Stars. *G. Dubner.* 43
- Dubner, G.** Two new pulsar wind nebulae around southern pulsars. *E. Giacani, G. Dubner,* *D. Frail & W.G. Goss.* 131
- Dubner, G.** Environs of Bilateral Supernova Remnants with Neutron Stars. *G. Dubner, E. Giacani, B. Gaensler, W.M. Goss & A. Green.* 131
- Duffárd, R.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angeli, R. Duffárd & M. Florcak.* 104
- Duffard, R.** Photometry of asteroids members of Maria and Themis Families. *A.A. Alvarez Candal, S. Fernández, J. Ahumada, & R. Duffard.* 104
- Duffard, R.** Collisions between asteroids. *R. Duffard, P. Penteado, T. Kodama & D. Lazzaro.* 105
- Duffard, R.** The Extinction coefficient of Bosque Alegre Astrophysical Station. *A.A. Alvarez, S. Coca, C. Chavero & R. Duffard.* 149
- Durouchoux, P.** Maser Effects in the Recombination Lines of Eta Carinae. *Z. Abraham, A. Damineli, P. Durouchoux, L.A. Nyman, & F. MacAuliffe.* 22
- Dutra, C.M.** Exploring star cluster properties at the SMC metallicity level. *A.V. Ahumada, J.J. Clariá, E. Bica & C.M. Dutra.* 127
- Dutra, C.M.** Integrated Spectral Properties of 13 Open Galactic Clusters. *A.V. Ahumada, J.J. Clariá, E. Bica, C.M. Dutra & M.C. Torres.* 126
- Dutra, C.M.** Mapping out the interstellar extinction in the central 10 degrees of the Galaxy with 2MASS. *C.M. Dutra, B.X. Santiago, B. Barbuy & E. Bica.* 133
- Dutra, C.M.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Dutra, C.M.** Study of the Transparency of the Magellanic Clouds from Integrated Spectroscopy of Background Galaxies. *C.M. Dutra, E. Bica, J.J. Clariá, A.E. Piatti & A.V. Ahumada.* 144
- Etchegoyen, A.** Estado del Observatorio Pierre Auger. *A. Etchegoyen.* 98
- Falcón, N.** Convective overshooting in White Dwarf and ZZ Ceti stars. *N. Falcón & J. Labrador.* 20
- Falceta-Gonçalves, D.A.** Dust grain influence in an Alfvén wave driven late-type winds. *D.A. Falceta-Gonçalves & V. Jatenco-Pereira.* 132

- Fausti, A.** Resolving Stellar Cluster Enigmas through N-body Simulations. *H. Dottori, A. Fausti, M.R. de Oliveira & R.R. de Carvalho*. 34
- Feinstein, A.** NGC 3293: Its Main Sequence Structure. *G. Baume, R.A. Vázquez, & A. Feinstein*. 37
- Feinstein, A.** Photometric Study in Stock 16. *G. Baume, R.A. Vázquez & A. Feinstein*. 128
- Ferlet, R.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar*. 113
- Fernandes, M.V.M.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer*. 115
- Fernández, J.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman*. 103
- Fernández, J.A.** Extrasolar planets: theory and observations. *J.A. Fernández*. 3
- Fernández, S.** Photometry of asteroids members of Maria and Themis Families. *A.A. Alvarez Candal, S. Fernández, J. Ahumada, & R. Duffard*. 104
- Fernández, S.** Resonancias de movimientos medios de tres cuerpos. *S. Fernández, S. Flores & S. Patiri*. 107
- Fernández, S.** Efecto de las resonancias seculares en la zona exterior a Saturno. *S. Fernández, M.A. Nicotra & M.J. Quiroz*. 106
- Ferraz-Mello, S.** Extra-solar Planetary Systems. *S. Ferraz-Mello & T.A. Michtchenko*. 7
- Ferreiro, D.** Estación Astronómica "J.L. Sérsic": 4 años de astronomía en el casquete polar. *D. Ferreiro, P. Recabarren, M. Mosconi, & V. Renzi*. 99
- Figueiredo, M.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres*. 148
- Figueiredo, N.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin*. 148
- Firmani, C.** Formation and evolution of disk galaxies. *V. Avila-Reese & C. Firmani*. 91
- Floquet, M.** Fundamental parameters of Be stars taking into account their fast rotation. *J. Zorec, Y. Frémat, A.M. Hubert, M. Floquet & L. Cidale*. 114
- Floquet, M.** Multiperiodic variations of the Be star HD 127972. *R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert & M. Floquet*. 112
- Floquet, M.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer*. 115
- Florczak, M.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angeli, R. Duffárd & M. Florczak*. 104
- Flores, S.** Resonancias de movimientos medios de tres cuerpos. *S. Fernández, S. Flores & S. Patiri*. 107
- Fonseca, R.** MASCO Gamma-ray experiment laboratory images. *T. Villela, J. Braga, J. Mejía, E. Rinke & R. Fonseca*. 147
- Fors, O.** The microquasar LS 5039 and the SNR G016.8-01.1. *M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí*. 137
- Forte, J.C.** Interstellar Matter in Globular Clusters. *L.J. Pellizza González, J.C. Forte & D.D. Carpintero*. 132
- Fouqué, P** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué*. 137
- Frémat, Y.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar*. 113
- Frémat, Y.** Fundamental parameters of Be stars taking into account their fast rotation. *J. Zorec, Y. Frémat, A.M. Hubert, M. Floquet & L. Cidale*. 114
- Frail, D.** Two new pulsar wind nebulae around southern pulsars. *E. Giacani, G. Dubner, D. Frail & W.G. Goss*. 131
- Francile, C.** On the evolution of the diurnal atmospheric opacity at EL LEONCITO. *N. Mazza, N. Nuñez, L. Balmaceda, C. Francile & G. Stenborg*. 150
- Gaensler, B.** Environs of Bilateral Supernova Remnants with Neutron Stars. *G. Dubner, E. Giacani, B. Gaensler, W.M. Goss & A. Green*. 131

- Galindo Trejo, J.** El registro de la observación de una explosión de Supernova realizado por Teotihuacanos en el siglo IV D. C. *J. Galindo Trejo*. 115
- Gallart, C.** A Search for Star Clusters in Dwarf Galaxies of the Local Group: dwarf Irregulars Sextans A and Sextans B. *M.H. Pedreros & C. Gallart*. 73
- Gamen, R.** The behavior of the NIV 5203.2 Å line in stars with Wolf-Rayet and early O-type spectra. *R. Gamen & V. Niemela*. 16
- Garay, G.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó*. 133
- García Lambas, D.** The Determination of the Mass Power Spectrum from the Mass Function of Galaxy Clusters. *A.G. Sánchez, D. García Lambas, M. G. Abadi & N.D. Padilla*. 139
- García Lambas, D.** Catálogos Sintéticos de Galaxias y Cúmulos de Galaxias. *E. Díaz, M. Merchan, H. Muriel & D. García Lambas*. 146
- García Lambas, D.** Grupos de galaxias en el entorno de cúmulos. *C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana & L. Infante*. 146
- García Lambas, D.** High order bias in ellipsoidal collapse model. *M.C. Pivato, N.D. Padilla, D. García Lambas & C.M. Baugh*. 140
- García Lambas, D.** Las galaxias más brillantes de cúmulos. *H. Muriel & D. García Lambas*. 146
- García Lambas, D.** Morphological segregation in intermediate redshift clusters. *M. Domínguez, H. Muriel & D. García Lambas*. 141
- García Lambas, D.** Population of Faint Galaxies in Clusters. *C.A. Valotto, H. Muriel, B. Moore, & D. García Lambas*. 72
- García Lambas, D.** The environment of active objects in the nearby universe. *G.V. Coldwell, H.J. Martínez & D. García Lambas*. 140
- García Lambas, D.** Preface. *Juan José Clariá, Diego García Lambas y Hugo Levato*. vii
- Garcia-Rissmann, A.** Variability and Parameter Correlations in Quasars. *A. Garcia-Rissmann & L. Sodré Jr.*. 68
- García, G.** Reconocimiento UBVRI de Cúmulos Abiertos del Hemisferio Norte. *A. Moitinho, W. Schuster, & G. García*. 129
- García, J.** Quantitative Stellar Spectral Classification. II. Early Type Stars. *M.J. Stock, J. García, N. Sánchez, & J. Stock*. 17
- Gary, D.** First detection of the impulsive and extended phases of a solar radio burst above 200 GHz. *J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary & M. Siarkowski*. 108
- Gebhardt, K.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso*. 38
- Geisler, D.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos*. 145
- Geisler, D.** CCD Washington Photometry of the Oldest Intermediate-Age Clusters NGC 2121, NGC 2155 and SL 896 (LW 480) in the Large Magellanic Cloud. *A.E. Piatti, A. Sarajedini, D. Geisler, E. Bica & J.J. Clariá*. 127
- Geisler, D.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso*. 38
- Ghezzi, C.R.** Asymmetric type Ia supernova explosions. *C.R. Ghezzi, E.M. de Gouveia Dal Pino & J.E. Horvath*. 117
- Giacani, E.** Environs of Bilateral Supernova Remnants with Neutron Stars. *G. Dubner, E. Giacani, B. Gaensler, W.M. Goss & A. Green*. 131
- Giacani, E.** Two new pulsar wind nebulae around southern pulsars. *E. Giacani, G. Dubner, D. Frail & W.G. Goss*. 131
- Gil Hutton, R.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman*. 103
- Giménez de Castro, G.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún*. 109
- Giménez de Castro, G.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira*. 149
- Gimeno, G.** Catalogue of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza*. 144

- Gimeno, G.** Observations of Double Nuclei Disk Galaxies. *G. Gimeno, R.J. Díaz & G. Carranza.* 144
- Gimeno, G.** Photometry of Compact Groups of Galaxies: Shakhbazyan 362 & 166. *J. Calderón, M. Campos, G. Gimeno & R.J. Díaz.* 141
- Giorgi, E.E.** Photometric study of NGC 2571. *E.E. Giorgi, R.A. Vázquez, G. Baume, W. Seggewiss, & J.M. Will.* 35
- Giovanelli, R.** Scaling relations of spiral galaxies and their application to Cosmology. *R. Giovanelli.* 85
- Goldes, G.** Morphology, Kinematics and Spectroscopy of the Pavus Triple System. *M.A. Oddone, R.J. Díaz, G. Carranza & G. Goldes.* 145
- Gómez, J.F.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Gómez, M.** A Near-Infrared Imaging Survey of the Globule 2 in the Coalsack. *G. Racca, S. Kenyon & M. Gómez.* 135
- Gómez, M.** Circumstellar Ring Formation at the Protostellar Collapse. *R.D. Rohrmann & M. Gómez.* 131
- Gómez, M.** Near-ir Spectra of ISO Detected Chamæleon I Young Stellar Objects. *M. Gómez, P. Persei & G. Olofsson.* 135
- Gómez, M.** Optical Spectroscopy of Two ISO Selected Chamæleon I Young Stars. *M. Gómez, P. Persei & G. Racca.* 135
- Gómez, M.** Outflows Associated with the Protostars in the  $\rho$  Ophiuchi Embedded Cluster. *M. Gómez & B. Whitney.* 134
- Gómez, M.** Study of spectroscopic variability of T Tau stars. *T. Palma, L. Gramajo, J.F. González, & M. Gómez.* 111
- Gómez, Y.** VLA observations of H<sub>2</sub>O and OH (1612 MHz) maser emission toward OH 231.8+4.2. *Y. Gómez & L.F. Rodríguez.* 56
- González Delgado, R.** Triggering AGN's: an evolutionary scenario. *T. Storchi-Bergmann, R. Cid Fernandes, R. González Delgado, H.R. Schmitt, & T. Heckman.* 81
- González, J.F.** Radial velocities, binarity, and kinematic membership in open clusters with blue straggler candidates. *Author list for TOC.* 36
- González, J.F.** Spectroscopic binaries and kinematic membership in the open cluster NGC 3532. *J.F. González, & E. Lapasset.* 128
- González, J.F.** Study of spectroscopic variability of T Tau stars. *T. Palma, L. Gramajo, J.F. González, & M. Gómez.* 111
- González -S., A.** Large-scale shear and alignment of cosmic structures. *A. González-S. & E. Romano Díaz.* 79
- Goss, W.G.** Two new pulsar wind nebulae around southern pulsars. *E. Giacani, G. Dubner, D. Frail & W.G. Goss.* 131
- Goss, W.M.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Goss, W.M.** Environs of Bilateral Supernova Remnants with Neutron Stars. *G. Dubner, E. Giacani, B. Gaensler, W.M. Goss & A. Green.* 131
- Goss, W.M.** VLA radio continuum observations of WR ring nebulae. *C. Cappa, W.M. Goss, & S. Pineault.* 24
- Gramajo, L.** Study of spectroscopic variability of T Tau stars. *T. Palma, L. Gramajo, J.F. González, & M. Gómez.* 111
- Grebel, E.K.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Green, A.** Environs of Bilateral Supernova Remnants with Neutron Stars. *G. Dubner, E. Giacani, B. Gaensler, W.M. Goss & A. Green.* 131
- Greenhill, L.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Grosso, M** The massive double-lined O-type binary HD 165052. *J.I. Arias, N.I. Morrell, R.H. Barbá, G.L. Bosch & M. Grosso.* 118
- Grosso, M.** An Improvement of Spectroscopic Elements for the Orbits of Some Spectroscopic Binaries in the Open Cluster Trumpler 16. *J. Luna, H. Levato, S. Malaroda & M. Grosso.* 126
- Grosso, M.** Rotational velocities of B stars. *H.A. Abt, H. Levato & M. Grosso.* 111
- Grosso, M.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko,, H. Levato, K. Bjorkman, M. Grosso, S. Malaroda & G. Solivella.* 120
- Gruenwald, R.** Reanalyzing the Zanstra Discrepancy. *R. Gruenwald & S.M. Viegas.*

<b>Günthardt, G.</b> El par de galaxias interactuantes VV 780. <i>G. Günthardt, E. Agüero &amp; R.J. Díaz.</i> 142	<b>Infante, L.</b> The mass profile of NGC 1399 determined from globular cluster dynamics. <i>B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, &amp; M.V. Alonso.</i> 38
<b>Hadano, R.</b> The New Submillimeter-wave Solar Telescope. <i>P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún &amp; M. Rovira.</i> 149	<b>Infante, L.</b> Hierarchical clustering. <i>L. Infante.</i> 63
<b>Heckman, T.</b> Triggering AGN's: an evolutionary scenario. <i>T. Storchi-Bergmann, R. Cid Fernandes, R. González Delgado, H.R. Schmitt, &amp; T. Heckman.</i> 81	<b>Jankov, S.</b> Multiperiodicity and NRP in Be stars. <i>E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr &amp; C. Neimer.</i> 115
<b>Higuera, M.A.</b> Membership in the region of the open cluster NGC2244 via the EM algorithm. <i>M.A. Higuera G., A. Uribe, &amp; R.S. Barrera.</i> 33	<b>Janot-Pacheco, E.</b> Multiperiodic variations of the Be star HD 127972. <i>R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert &amp; M. Floquet.</i> 112
<b>Hilker, M.</b> The mass profile of NGC 1399 determined from globular cluster dynamics. <i>B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, &amp; M.V. Alonso.</i> 38	<b>Janot-Pacheco, E.</b> Multiperiodicity and NRP in Be stars. <i>E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr &amp; C. Neimer.</i> 115
<b>Ho, P.T.P.</b> Spherical Ejection of Material from a Young Star. <i>J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel &amp; J. Cantó.</i> 133	<b>Jatenco-Pereira, V</b> Dust grain influence in an Alfvén wave driven late-type winds. <i>D.A. Falceta-Gonçalves &amp; V. Jatenco-Pereira.</i> 132
<b>Horvath, J.E.</b> Asymmetric type Ia supernova explosions. <i>C.R. Ghezzi, E.M. de Gouveia Dal Pino &amp; J.E. Horvath.</i> 117	<b>Kangas, M.</b> The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. <i>T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo &amp; P. Lubin.</i> 148
<b>Hubert, A.M.</b> FUSE: distance determination and ISM towards V767 Cen. <i>Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier &amp; A. Vidal-Madjar.</i> 113	<b>Karim, Y.</b> High Resolution Observations of Reconnected Magnetic Loops. <i>M.L. Luoni, C.H. Mandrini, Y. Karim, B. Schieder &amp; P. Démoulin.</i> 107
<b>Hubert, A.M.</b> Fundamental parameters of Be stars taking into account their fast rotation. <i>J. Zorec, Y. Frémat, A.M. Hubert, M. Floquet &amp; L. Cidale.</i> 114	<b>Katsiyannis, A.</b> Faint light in clusters of galaxies. <i>S.N. Kemp, A. Katsiyannis, J. Meaburn, M. Chávez, &amp; D.S. Berry.</i> 70
<b>Hubert, A.M.</b> Multiperiodic variations of the Be star HD 127972. <i>R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert &amp; M. Floquet.</i> 112	<b>Kaufman, P</b> Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. <i>A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato &amp; A. Marún.</i> 109
<b>Hubert, A.M.</b> Multiperiodicity and NRP in Be stars. <i>E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr &amp; C. Neimer.</i> 115	<b>Kaufmann, P.</b> Dynamics of the coronal magnetic fields inferred from multifrequency radio observations of a solar flare. <i>E. Correia, J.-P. Raulin, P. Kaufmann &amp; G. Trottet.</i> 109
<b>Infante, L.</b> Grupos de galaxias en el entorno de cúmulos. <i>C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana &amp; L. Infante.</i> 146	<b>Kaufmann, P.</b> First detection of the impulsive and extended phases of a solar radio burst above 200 GHz. <i>J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary &amp; M. Siarkowski.</i> 108

- Kaufmann, P.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Kehrig, C.** Surface Photometry of Ultraluminous IRAS Galaxies. *C. Kehrig & E. Telles.* 138
- Kemp, S.N.** Faint light in clusters of galaxies. *S.N. Kemp, A. Katsiyannis, J. Meaburn, M. Chávez, & D.S. Berry.* 70
- Kenyon, S.** A Near-Infrared Imaging Survey of the Globule 2 in the Coalsack. *G. Racca, S. Kenyon & M. Gómez.* 135
- Kingsley, J.S.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Kingsley, R.K.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Klein, K.L.** First detection of the impulsive and extended phases of a solar radio burst above 200 GHz. *J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary & M. Siarkowski.* 108
- Kodama, T.** Non-spherical collapse models and the cosmological mass function. *M. Makler, T. Kodama, & M.O. Calvão.* 90
- Kodama, T.** Collisions between asteroids. *R. Duffard, P. Penteado, T. Kodama & D. Lazzaro.* 105
- Krisciunas, K.** Optical and Infrared Light Curve of SN2000ex. *J. Cuadra, N.B. Suntzeff, P. Candia, K. Krisciunas & M.M. Phillips.* 121
- Lépine, J.R.D.** Membership and proper motions of a large sample of open clusters. *W.S. Dias, J.R.D. Lépine & B.S. Alessi.* 124
- Lépine, J.R.D.** Models for the Galactic structure and evidence of a bar at the galactic center. *E.B. de Amôres & J.R.D. Lépine.* 147
- López Fuentes, M.C.** Inferring the writhe of emerging flux tubes from the evolution of the orientation of bipole axes. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi & A. Pevtsov.* 108
- López Fuentes, M.C.** Peculiar active regions during the last two solar cycles. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin & L. van Driel-Gesztelyi.* 107
- López García, Z.** Elemental Abundance studies of CP stars. The helium-weak group I. HD 19400, HD 34797 and HD 35456. *M.S. Alonso, Z. López García & S.M. Malaroda.* 119
- López García, Z.** Elemental Abundances in CP Stars of Galactic Open Clusters. *C. Saffe, H. Levato & Z. López García.* 125
- Lípari, S.** Nuclear and Circumnuclear Kinematics of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Lípari, S.** Physical Conditions of the Ionized Gas in the Central Regions of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Labrador, J.** Convective overshooting in White Dwarf and ZZ Ceti stars. *N. Falcón & J. Labrador.* 20
- Lapasset, E.** CCD Photometry and Analysis of the Eclipsing Binary HV 2241. *P.G. Ostrov, N.I. Morrell & E. Lapasset.* 110
- Lapasset, E.** Fotometría CCD de los cúmulos abiertos Haffner 17 y Harvard 6. *J.A. Ahumada & E. Lapasset.* 124
- Lapasset, E.** Spectroscopic binaries and kinematic membership in the open cluster NGC 3532. *J.F. González, & E. Lapasset.* 128
- Larsen, S.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Lazarian, A.** Acceleration of Ultra-High-Energy Cosmic-Rays in Accretion-Induced Collapse Pulsars in the Local Universe. *E.M. de Gouveia Dal Pino & A. Lazarian.* 143
- Lazzaro, D.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angel, R. Duffárd & M. Florcak.* 104
- Lazzaro, D.** Collisions between asteroids. *R. Duffard, P. Penteado, T. Kodama & D. Lazzaro.* 105
- Lecavelier, A.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar.* 113
- Leister, N.** Multiperiodic variations of the Be star HD 127972. *R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert & M. Floquet.* 112

- Leister, N.** Multiperiodicity and NRP in Be stars.  
*E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer.* 115
- Levato, H.** An Improvement of Spectroscopic Elements for the Orbits of Some Spectroscopic Binaries in the Open Cluster Trumpler 16.  
*J. Luna, H. Levato, S. Malaroda & M. Grosso.* 126
- Levato, H.** Elemental Abundances in CP Stars of Galactic Open Clusters. *C. Saffe, H. Levato & Z. López García.* 125
- Levato, H.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marín.* 109
- Levato, H.** Rotational velocities of B stars.  
*H.A. Abt, H. Levato & M. Grosso.* 111
- Levato, H.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marín & M. Rovira.* 149
- Levato, H.** Preface. *Juan José Clariá, Diego García Lambas y Hugo Levato.* vii
- Levato, H.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko,, H. Levato, K. Bjorkman, M. Grosso, S. Malaroda & G. Solivella.* 120
- Levenhagen, R.** Multiperiodic variations of the Be star HD 127972. *R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert & M. Floquet.* 112
- Levenhagen, R.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer.* 115
- Levy, A.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation.  
*T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Licandro, J.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman.* 103
- Lima Neto, G.B.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato,*
- G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué.* 137
- Lípari, S.** Mapeos de vientos galácticos en IR mergers y QSOs. *S. Liípari, E. Mediavilla & R. Díaz.* 140
- Lubin, P.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation.  
*T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Luna, J.** An Improvement of Spectroscopic Elements for the Orbits of Some Spectroscopic Binaries in the Open Cluster Trumpler 16.  
*J. Luna, H. Levato, S. Malaroda & M. Grosso.* 126
- Luoni, M.L.** High Resolution Observations of Reconnected Magnetic Loops. *M.L. Luoni, C.H. Mandrini, Y. Karim, B. Schieder & P. Démoulin.* 107
- MacAuliffe, F.** Maser Effects in the Recombination Lines of Eta Carinae. *Z. Abraham, A. Damineli, P. Durouchoux, L.A. Nyman, & F. MacAuliffe.* 22
- Macchietto, F.D.** HST: The Astronomy revolution. *F.D. Macchietto.* 95
- Machado, R.S.** The Population of Seyfert Galaxies in the Local Universe. *M.A.G. Maia, R.S. Machado, & C.N.A. Willmer.* 77
- Maia, M.A.G.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Maia, M.A.G.** The Population of Seyfert Galaxies in the Local Universe. *M.A.G. Maia, R.S. Machado, & C.N.A. Willmer.* 77
- Maia, M.A.G.** The Aquarius Superclusters. *C.A. Caretta, M.A.G. Maia, & C.N.A. Willmer.* 76
- Maillard, J.P.** H line formation in the IR spectrum of Be stars. *L. Cidale, R. Venero, J. Zorec & J.P. Maillard.* 121
- Makler, M.** Non-spherical collapse models and the cosmological mass function. *M. Makler, T. Kodama, & M.O. Calvão.* 90
- Malaroda, S.** An Improvement of Spectroscopic Elements for the Orbits of Some Spectroscopic Binaries in the Open Cluster Trumpler 16.  
*J. Luna, H. Levato, S. Malaroda & M. Grosso.* 126

- Malaroda, S.M.** Elemental Abundance studies of CP stars. The helium-weak group I. HD 19400, HD 34797 and HD 35456. *M.S. Alonso, Z. López García & S.M. Malaroda.* 119
- Malaroda, S.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko, H. Levato, K. Bjorkman, M. Grosso, S. Malaroda & G. Solivella.* 120
- Mallamacci, C.** El Círculo Meridiano Automático de San Fernando en San Juan. *M. Vallejo, J.L. Muñoz, F. Belizón, C. Mallamacci, & J.A. Pérez.* 102
- Mallamacci, C.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muñoz, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Mallmann, J.A.H.** Internal Variation of Electron Density in Galactic and Extragalactic HII Regions. *J.A.H. Mallmann, M.V.F. Copetti, I.C.F. dos Santos, H.O. Castañeda, & J.M. Vilchez.* 57
- Mandrini, C.H.** High Resolution Observations of Reconnected Magnetic Loops. *M.L. Luoni, C.H. Mandrini, Y. Karim, B. Schieder & P. Démoulin.* 107
- Mandrini, C.H.** Inferring the writhe of emerging flux tubes from the evolution of the orientation of bipole axes. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi & A. Pevtsov.* 108
- Mandrini, C.H.** Peculiar active regions during the last two solar cycles. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin & L. van Driel-Gesztelyi.* 107
- Marañón Di Leo, C.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere. *A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo.* 118
- Marín, Z.** Physical parameters of RR Lyraes in globular clusters from long term CCD photometry. *A. Arellano Ferro, A. Aguilar, Z. Marín & P. Rosenzweig.* 39
- Marmolejo, L** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muñoz, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Martí, J.** Bipolar relativistic ejections in Cygnus X-3. *J. Martí, J.M. Paredes, & M. Peracaula.* 58
- Martí, J.** New results on the microquasar LS 5039. *J.M. Paredes, J. Casares, C. Zurita, J. Martí, & M. Ribó.* 55
- Martí, J.** The microquasar LS 5039 and the SNR G016.8-01.1. *M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí.* 137
- Martínez, H.J.** The environment of active objects in the nearby universe. *G.V. Coldwell, H.J. Martínez & D. García Lambas.* 140
- Martínez, R.E.** CCD Photometry of the Open Cluster NGC 2395. *L.P. Bassino & R.E. Martínez.* 125
- Marún, A.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Marún, A.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Mast, D.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón.* 142
- Mauas, P.J.D.** Indicators of Solar and Stellar activity. *P.J.D. Mauas & C. Cincunegui.* 15
- Mauas, P.J.D.** The Mg II lines as indicators of solar and stellar activity. *A.P. Buccino & P.J.D. Mauas.* 116
- Mayor, M.** Membership, Binarity and Stellar Evolution of Red Giants in the Open Clusters NGC 2324, NGC 2818, NGC 3960 and NGC 6259. *J.C. Mermilliod, J.J. Clariá, J. Andersen, A.E. Piatti & M. Mayor.* 126
- Mazza, N.** On the evolution of the diurnal atmospheric opacity at EL LEONCITO. *N. Mazza, N. Nuñez, L. Balmaceda, C. Francile & G. Stenborg.* 150
- Meaburn, J.** Faint light in clusters of galaxies. *S.N. Kemp, A. Katsiyannis, J. Meaburn, M. Chávez, & D.S. Berry.* 70
- Mediavilla, E.** Mapeos de vientos galácticos en IR mergers y QSOs. *S. Liipari, E. Mediavilla & R. Díaz.* 140
- Medina, S.** Physical properties of Planetary nebulae around [WC] central stars. *M. Peña, G. Stasińska, & S. Medina.* 25
- Meinholt, P.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina,*

- C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Mejía, J.** MASCO Gamma-ray experiment laboratory images. *T. Villela, J. Braga, J. Mejía, E. Rinke & R. Fonseca.* 147
- Melitta, M.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman.* 103
- Melo, A.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Merchan, M.** Catálogos Sintéticos de Galaxias y Cúmulos de Galaxias. *E. Díaz, M. Merchan, H. Muriel & D. García Lambas.* 146
- Merchan, M.** Grupos de galaxias en el entorno de cúmulos. *C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana & L. Infante.* 146
- Merlo, D.C.** Ionization and molecular formation in the atmosphere of UX Antliae. *L.A. Milone & D.C. Merlo.* 123
- Merlo, D.C.** Molecular formation in stellar atmospheres. *L.A. Milone & D.C. Merlo.* 123
- Mermilliod, J.C.** Membership, Binarity and Stellar Evolution of Red Giants in the Open Clusters NGC 2324, NGC 2818, NGC 3960 and NGC 6259. *J.C. Mermilliod, J.J. Clariá, J. Andersen, A.E. Piatti & M. Mayor.* 126
- Michtchenko, T.A.** Extra-solar Planetary Systems. *S. Ferraz-Mello & T.A. Michtchenko.* 7
- Milone, L.A.** Ionization and molecular formation in the atmosphere of UX Antliae. *L.A. Milone & D.C. Merlo.* 123
- Milone, L.A.** Molecular formation in stellar atmospheres. *L.A. Milone & D.C. Merlo.* 123
- Minniti, D.** The mass profile of NGC 1399 determined from globular cluster dynamics. *B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Miroshnichenko, A.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko, H. Levato, K. Bjorkman, M. Grosso, S. Malaroda & G. Solivella.* 120
- Moitinho, A.** Reconocimiento UBVRI de Cúmulos Abiertos del Hemisferio Norte. *A. Moitinho, W. Schuster, & G. García.* 129
- Montero, M.F.** Dynamical Structure of a Stellar Envelope under Magnetic and Radiation Fields. *M.F. Montero & A.M. Platzek.* 121
- Moore, B.** Environmental Effects on Galaxies in Clusters. *M. Domínguez, B. Moore, & F. Pearce.* 75
- Moore, B.** Population of Faint Galaxies in Clusters. *C.A. Valotto, H. Muriel, B. Moore, & D. García Lambas.* 72
- Morras, R.** Distribution and kinematics of HI in the Galactic quadrant III. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Morras, R.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell. *R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134
- Morras, R.** Structure and kinematics of the HI in the surroundings of the Sco-Cen association. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Morrell, N.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere. *A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo.* 118
- Morrell, N.** New VSINI determinations and physical properties of circumstellar envelopes in Be stars. *J. Zorec, J. Chauville, D. Ballereau, N. Morrell & L. Cidale.* 114
- Morrell, N.I.** CCD Photometry and Analysis of the Eclipsing Binary HV 2241. *P.G. Ostrov, N.I. Morrell & E. Lapasset.* 110
- Morrell, N.I.** The massive double-lined O-type binary HD 165052. *J.I. Arias, N.I. Morrell, R.H. Barbá, G.L. Bosch & M. Grosso.* 118
- Morrell, N.I.** Apsidal motion in binary systems as a tool for determination of stellar masses: system HD 93205 (O3V+O8V). *A.M. Serenelli, O.G. Benvenuto, L.G. Althaus, R. Barbá, & N.I. Morrell.* 19
- Mosconi, M.** Estación Astronómica "J.L. Sérsic": 4 años de astronomía en el casquete polar. *D. Ferreiro, P. Recabarren, M. Mosconi, & V. Renzi.* 99
- Mosconi, M.** Formación de Galaxias y Evolución Química. *M. Mosconi.* 80
- Mothé-Diniz, T.** S3OS2: A Visible Spectroscopic Survey of Around 800 Asteroids. *D. Lazzaro, J.M. Carvano, T. Mothé-Diniz, C.A. Angeli, R. Duffárd & M. Florcak.* 104
- Muiños, J.L.** El Círculo Meridiano Automático de San Fernando en San Juan. *M. Vallejo, J.L. Muiños, F. Belizón, C. Mallamacci, & J.A.*

- Pérez.** 102
- Muiños, J.L.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muiños, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Muriel, H.** Morphological segregation in intermediate redshift clusters. *M. Domínguez, H. Muriel & D. García Lambas.* 141
- Muriel, H.** Catálogos Sintéticos de Galaxias y Cúmulos de Galaxias. *E. Díaz, M. Merchan, H. Muriel & D. García Lambas.* 146
- Muriel, H.** Grupos de galaxias en el entorno de cúmulos. *C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana & L. Infante.* 146
- Muriel, H.** Las galaxias más brillantes de cúmulos. *H. Muriel & D. García Lambas.* 146
- Muriel, H.** Population of Faint Galaxies in Clusters. *C.A. Valotto, H. Muriel, B. Moore, & D. García Lambas.* 72
- Muzzio, J.C.** Dynamics of Galactic Satellites on Elongated Orbits. *J.C. Muzzio, F.C. Wachlin, & D.D. Carpintero.* 69
- Navarro, J.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muiños, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Navarro-González, R.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Neimer, C.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer.* 115
- Nicotra, M.A.** Efecto de las resonancias seculares en la zona exterior a Saturno. *S. Fernández, M.A. Nicotra & M.J. Quiroz.* 106
- Niemela, V.** The behavior of the NIV 5203.2 Å line in stars with Wolf-Rayet and early O-type spectra. *R. Gamen & V. Niemela.* 16
- Nuñez, N.** On the evolution of the diurnal atmospheric opacity at EL LEONCITO. *N. Mazza, N. Nuñez, L. Balmaceda, C. Francile & G. Stenborg.* 150
- Nyman, L.A.** Maser Effects in the Recombination Lines of Eta Carinae. *Z. Abraham, A. Damineli, P. Durouchoux, L.A. Nyman, & F. MacAuliffe.* 22
- Oddone, M.** Distribución de Masa en Galaxias Espirales. *M.P. Agüero, R.J. Díaz & M. Oddone.* 141
- Oddone, M.A.** Morphology, Kinematics and Spectroscopy of the Pavus Triple System. *M.A. Oddone, R.J. Díaz, G. Carranza & G. Goldes.* 145
- Ogando, R.L.C.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Ritte, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Olofson, G.** Near-ir Spectra of ISO Detected Chamaeleon I Young Stellar Objects. *M. Gómez, P. Persei & G. Olofsson.* 135
- Oscoz, A.** Time delay in QSO 0957+561 from 1984-99 data. *A. Oscoz.* 146
- Ostrov, P.G.** CCD Photometry and Analysis of the Eclipsing Binary HV 2241. *P.G. Ostrov, N.I. Morrell & E. Lapasset.* 110
- Pacini, A.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Padilla, N.D.** High order bias in ellipsoidal collapse model. *M.C. Pivato, N.D. Padilla, D. García Lambas & C.M. Baugh.* 140
- Padilla, N.D.** The Determination of the Mass Power Spectrum from the Mass Function of Galaxy Clusters. *A.G. Sánchez, D. García Lambas, M. G. Abadi & N.D. Padilla.* 139
- Palma, T.** Study of spectroscopic variability of T Tau stars. *T. Palma, L. Gramajo, J.F. González, & M. Gómez.* 111
- Panei, J.A.** Chemical Diffusion in Stellar Convective Regions. *J.A. Panei & O.G. Benvenuto.* 26
- Panei, J.A.** Stellar Evolution Of Massive Stars Up The Asymptotic Giant Branch. *J.A. Panei & O.G. Benvenuto.* 112
- Paolantonio, S.** Una fusión de galaxias. *E. Agüero, R.J. Díaz & S. Paolantonio.* 142
- Paredes, J.M.** Bipolar relativistic ejections in Cygnus X-3. *J. Martí, J.M. Paredes, & M. Peracaula.* 58

- Paredes, J.M.** New results on the microquasar LS 5039. *J.M. Paredes, J. Casares, C. Zurita, J. Martí, & M. Ribó.* 55
- Paredes, J.M.** The microquasar LS 5039 and the SNR G016.8-01.1. *M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí.* 137
- Parendo, S.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Patel, N.A.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Patiri, S.** Resonancias de movimientos medios de tres cuerpos. *S. Fernández, S. Flores & S. Patiri.* 107
- Pavani, D.B.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Peña, M.** Physical properties of Planetary nebulae around [WC] central stars. *M. Peña, G. Stasińska, & S. Medina.* 25
- Pearce, F.** Environmental Effects on Galaxies in Clusters. *M. Domínguez, B. Moore, & F. Pearce.* 75
- Pedreros, M.H.** A Search for Star Clusters in Dwarf Galaxies of the Local Group: dwarf Irregulars Sextans A and Sextans B. *M.H. Pedreros & C. Gallart.* 73
- Pérez, J.A.** El Círculo Meridiano Automático de San Fernando en San Juan. *M. Vallejo, J.L. Muñoz, F. Belizón, C. Mallamaci, & J.A. Pérez.* 102
- Pérez, J.A.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muñoz, F. Bellizón, M. Vallejo, C. Mallamaci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Peimbert, A.** The Temperature Structure in Ionized Nebulae and the Chemical Evolution of Galaxies. *M. Peimbert & A. Peimbert.* 47
- Peimbert, M.** The Temperature Structure in Ionized Nebulae and the Chemical Evolution of Galaxies. *M. Peimbert & A. Peimbert.* 47
- Pellegrini, P.S.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Pellizza González, L.J.** Interstellar Matter in Globular Clusters. *L.J. Pellizza González, J.C. Forte & D.D. Carpintero.* 132
- Penteado, P.** Collisions between asteroids. *R. Duffard, P. Penteado, T. Kodama & D. Lazaro.* 105
- Peracaula, M.** Bipolar relativistic ejections in Cygnus X-3. *J. Martí, J.M. Paredes, & M. Peracaula.* 58
- Persei, P.** Near-ir Spectra of ISO Detected Chamæleon I Young Stellar Objects. *M. Gómez, P. Persei & G. Olofsson.* 135
- Persei, P.** Optical Spectroscopy of Two ISO Selected Chamæleon I Young Stars. *M. Gómez, P. Persei & G. Racca.* 135
- Pevtsov, A.** Inferring the writhe of emerging flux tubes from the evolution of the orientation of bipole axes. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi & A. Pevtsov.* 108
- Phillips, M.M.** Optical and Infrared Light Curve of SN2000cx. *J. Cuadra, N.B. Suntzeff, P. Candia, K. Krisciunas & M.M. Phillips.* 121
- Pian, E.** Espectroscopía, fotometría y polarimetría del blazar PKS 2155-304. *R.J. Díaz, R.L. Tommasi & E. Pian.* 143
- Piatti, A.E.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos.* 145
- Piatti, A.E.** CCD Washington Photometry of the Oldest Intermediate-Age Clusters NGC 2121, NGC 2155 and SL 896 (LW 480) in the Large Magellanic Cloud. *A.E. Piatti, A. Sarajedini, D. Geisler, E. Bica & J.J. Clariá.* 127
- Piatti, A.E.** Membership, Binarity and Stellar Evolution of Red Giants in the Open Clusters NGC 2324, NGC 2818, NGC 3960 and NGC 6259. *J.C. Mermilliod, J.J. Clariá, J. Andersen, A.E. Piatti & M. Mayor.* 126
- Piatti, A.E.** Photometric Survey of Southern Open Clusters: Melotte 105, Hogg 15, Pismis 21 and Ruprecht 140. *A.E. Piatti & J.J. Clariá.* 127
- Piatti, A.E.** Study of the Transparency of the Magellanic Clouds from Integrated Spectroscopy of Background Galaxies. *C.M. Dutra, E. Bica, J.J. Clariá, A.E. Piatti & A.V. Ahumada.* 144
- Pina, A.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation.

- T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinholt, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Pina, M.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Pineault, S.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Pineault, S.** The interaction of BD+24° 3866 and BD+24° 3881 with the surrounding ISM. *C. Cappa, S. Pineault, E.M. Arnal & S. Cichowolski.* 134
- Pineault, S.** VLA radio continuum observations of WR ring nebulae. *C. Cappa, W.M. Goss, & S. Pineault.* 24
- Pivato, M.C.** High order bias in ellipsoidal collapse model. *M.C. Pivato, N.D. Padilla, D. García Lambas & C.M. Baugh.* 140
- Platzcek, A.M.** Dynamical Structure of a Stellar Envelope under Magnetic and Radiation Fields. *M.F. Montero & A.M. Platzcek.* 121
- Pöpel, W.G.L.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell. *R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134
- Pöppel, W.G.L.** Distribution and kinematics of HI in the Galactic quadrant III. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Pöppel, W.G.L.** Structure and kinematics of the HI in the surroundings of the Sco-Cen association. *W.G.L. Pöppel, E. Bajaja, R. Morras & E.M. Arnal.* 136
- Portilla, J.G.** Gauss' forms of the Lagrange's equations for the analytical solution of the postnewtonian two body problem. *J.G. Portilla.* 105
- Proust, D.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué.* 137
- Puls, J.** Treatment of inverted populations in radiative transfer in expanding atmospheres of hot stars. *R.O.J. Venero & J. Puls.* 110
- Quintana, H.** Grupos de galaxias en el entorno de cúmulos. *C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana & L. Infante.* 146
- Quintana, H.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima Neto, H. Cuevas, H. Quintana & P. Fouqué.* 137
- Quiroz, M.J.** Efecto de las resonancias seculares en la zona exterior a Saturno. *S. Fernández, M.A. Nicotra & M.J. Quiroz.* 106
- Racca, G.** A Near-Infrared Imaging Survey of the Globule 2 in the Coalsack. *G. Racca, S. Kenyon & M. Gómez.* 135
- Racca, G.** Optical Spectroscopy of Two ISO Selected Chamaeleon I Young Stars. *M. Gómez, P. Persei & G. Racca.* 135
- Raga, A.C.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Ragobe C.** Grupos de galaxias en el entorno de cúmulos. *C. Ragobe, H. Muriel, D. García Lambas, M. Merchan, H. Quintana & L. Infante.* 146
- Ramos de Oliveira, M.** Interactions between clusters in the Magellanic Clouds and in the Milky Way<sup>1</sup>. *M. Ramos de Oliveira.* 128
- Raulin, J-P.** Dynamics of the coronal magnetic fields inferred from multifrequency radio observations of a solar flare. *E. Correia, J-P. Raulin, P. Kaufmann & G. Trottet.* 109
- Raulin, J.P.** First detection of the impulsive and extended phases of a solar radio burst above 200 GHz. *J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary & M. Siarkowski.* 108
- Raulin, J.P.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Raulin, J.P.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Raymond, J.C.** A semiempirical model for the large-scale minimum activity solar corona. *A.M. Vázquez, A.A. van Ballegooijen & J.C. Raymond.* 108
- Recabarren, P.** Estación Astronómica "J.L. Sérsic: 4 años de astronomía en el casquete polar. *D. Ferreiro, P. Recabarren, M. Mosconi, & V. Renzi.* 99
- Reich, P.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell. *R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134

- Rejkuba, M.** The mass profile of NGC 1399 determined from globular cluster dynamics.  
*B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Renzi, V.** Estación Astronómica "J.L. Sérsic": 4 años de astronomía en el casquete polar.  
*D. Ferreiro, P. Recabarren, M. Mosconi, & V. Renzi.* 99
- Ribó, M.** The microquasar LS 5039 and the SNR G016.8-01.1.  
*M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí.* 137
- Ribó, M.** New results on the microquasar LS 5039.  
*J.M. Paredes, J. Casares, C. Zurita, J. Martí, & M. Ribó.* 55
- Richtler, T.** The mass profile of NGC 1399 determined from globular cluster dynamics.  
*B. Dirsch, T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E.K. Grebel, S. Larsen, & M.V. Alonso.* 38
- Rickman, H.** Observations of Cometary Nuclei, from CASLEO.  
*F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman.* 103
- Ringuelet, A.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere.  
*A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo.* 118
- Ringuelet, A.E.** Atomic levels population under NLTE conditions.  
*A. Cruzado & A.E. Ringuelet.* 117
- Ringuelet, A.E.** The hot temperature region in Be stars.  
*A.F. Torres & A.E. Ringuelet.* 110
- Rinke, E.** MASCO Gamma-ray experiment laboratory images.  
*T. Villela, J. Braga, J. Mejía, E. Rinke & R. Fonseca.* 147
- Rité, C.** First Results of Metallicity Gradients in Elliptical Galaxies.  
*M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Rodríguez, L.F.** VLA observations of H<sub>2</sub>O and OH (1612 MHz) maser emission toward OH 231.8+4.2.  
*Y. Gómez & L.F. Rodríguez.* 56
- Rodríguez, L.F.** Spherical Ejection of Material from a Young Star.  
*J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Rohrmann, R.** FUSE: distance determination and ISM towards V767 Cen.  
*Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann,*
- J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar.* 113
- Rohrmann, R.D.** Circumstellar Ring Formation at the Protostellar Collapse.  
*R.D. Rohrmann & M. Gómez.* 131
- Rohrmann, R.D.** Evolution of helium core white dwarfs with different metallicities.  
*A.M. Serenelli, L.G. Althaus, R.D. Rohrmann & O.G. Benvenuto.* 116
- Romano Díaz, E.** Large-scale shear and alignment of cosmic structures.  
*A. González-S. & E. Romano Díaz.* 79
- Romero, G.A.** The molecular gas associated with Ara OB1.  
*E.M. Arnal & G.A. Romero.* 130
- Romero, G.E.** The microquasar LS 5039 and the SNR G016.8-01.1.  
*M. Ribó, J.M. Paredes, G.E. Romero, P. Benaglia & J. Martí.* 137
- Rosado, M.** Laser laboratory experiments, observations and numerical simulations of strong explosions.  
*P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Rosenzweig, P.** Physical parameters of RR Lyraes in globular clusters from long term CCD photometry.  
*A. Arellano Ferro, A. Aguilar, Z. Marín & P. Rosenzweig.* 39
- Rovira, M.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves.  
*A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Rovira, M.** The New Submillimeter-wave Solar Telescope.  
*P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Saffe, C.** Elemental Abundances in CP Stars of Galactic Open Clusters.  
*C. Saffe, H. Levato & Z. López García.* 125
- Sáiz, A.** The effects of mergers on the astrophysical properties of galaxy-like objects.  
*C. Scannapieco, P. Tissera, R. Domínguez-Tenreiro & A. Sáiz.* 138
- Salas, L.** H<sub>2</sub> kinematics of outflows.  
*I. Cruz-González & L. Salas.* 59
- Sánchez, A.G.** The Determination of the Mass Power Spectrum from the Mass Function of Galaxy Clusters.  
*A.G. Sánchez, D. García Lambas, M. G. Abadi & N.D. Padilla.* 139

- Sánchez, N.** Quantitative Stellar Spectral Classification. II. Early Type Stars. *M.J. Stock, J. García, N. Sánchez, & J. Stock.* 17
- Santiago, B.X.** Mapping out the interstellar extinction in the central 10 degrees of the Galaxy with 2MASS. *C.M. Dutra, B.X. Santiago, B. Barbuy & E. Bica.* 133
- Santiago, B.X.** Open clusters or their remnants: B and V photometry of NGC 1901 and NGC 1252. *D.B. Pavani, E. Bica, C.M. Dutra, H. Dottori, B.X. Santiago, G. Carranza & R.J. Díaz.* 123
- Santos, J.F.C.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos.* 145
- Sarajedini, A.** Analysis of Metallicity and Age Variations of Populous Clusters with the Line-of-Sight Depth in the Small Magellanic Cloud. *H.H. Crowl, A. Sarajedini, A.E. Piatti, D. Geisler, E. Bica, J.J. Clariá & J.F.C. Santos.* 145
- Sarajedini, A.** CCD Washington Photometry of the Oldest Intermediate-Age Clusters NGC 2121, NGC 2155 and SL 896 (LW 480) in the Large Magellanic Cloud. *A.E. Piatti, A. Sarajedini, D. Geisler, E. Bica & J.J. Clariá.* 127
- Scannapieco, C.** The effects of mergers on the astrophysical properties of galaxy-like objects. *C. Scannapieco, P. Tissera, R. Domínguez-Tenreiro & A. Sáiz.* 138
- Schiavon, R.P.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso.* 78
- Schmieder, B.** High Resolution Observations of Reconnected Magnetic Loops. *M.L. Luoni, C.H. Mandrini, Y. Karim, B. Schieder & P. Démoulin.* 107
- Schmitt, H.R.** Triggering AGN's: an evolutionary scenario. *T. Storchi-Bergmann, R. Cid Fernandes, R. González Delgado, H.R. Schmitt, & T. Heckman.* 81
- Schuster, W.** Reconocimiento UBVRI de Cúmulos Abiertos del Hemisferio Norte. *A. Moitinho, W. Schuster, & G. García.* 129
- Sedeño, J.A.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muñoz, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Seggewiss, W.** Photometric study of NGC 2571. *E.E. Giorgi, R.A. Vázquez, G. Baume, W. Seggewiss, & J.M. Will.* 35
- Serenelli, A.A.** Apsidal motion in binary systems as a tool for determination of stellar masses: system HD 93205 (O3V+O8V). *A.M. Serenelli, O.G. Benvenuto, L.G. Althaus, R. Barbá, & N.I. Morrell.* 19
- Serenelli, A.M.** Evolution of helium core white dwarfs with different metallicities. *A.M. Serenelli, L.G. Althaus, R.D. Rohrmann & O.G. Benvenuto.* 116
- Serenelli, A.M.** The Effects of Element Diffusion on the Pulsational Properties of ZZ Ceti Stars. *A.H. Córscico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 122
- Serenelli, A.M.** The evolution of intermediate mass stars from the main sequence to the white dwarf stage. *A.M. Serenelli, L.G. Althaus, O.G. Benvenuto, & A.H. Córscico.* 18
- Serenelli, A.M.** Time Dependent Diffusion in ZZ Ceti Stars: Asteroseismology of G117B-15A. *A.H. Córscico, O.G. Benvenuto, L.G. Althaus & A.M. Serenelli.* 119
- Siarkowski, M.** First detection of the impulsive and extended phases of a solar radio burst above 200 GHz. *J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary & M. Siarkowski.* 108
- Silva, A.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Silva, A.** The New Submillimeter-wave Solar Telescope. *P. Kaufmann, J. Costa, G. Giménez de Castro, R. Hadano, J.P. Raulin, E. Correia, A. Silva, J.S. Kingsley, R.K. Kingsley, H. Levato, A. Marún & M. Rovira.* 149
- Smith-Castelli, A.** Spectral classification of stars with the B[e] phenomenon. *A. Smith-Castelli, J. Zorec & L. Cidale.* 113
- Smoot, G.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Sobral, H.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Sodré Jr., L.** The cluster of galaxies Abell 970. *L. Sodré Jr., D. Proust, H.V. Capelato, G.B. Lima*

- Neto, H.** *Cuevas, H. Quintana & P. Fouqué.* 137
- Sodré Jr., L.** Variability and Parameter Correlations in Quasars. *A. Garcia-Rissmann & L. Sodré Jr..* 68
- Solivella, G.** Research on the Properties of a Group of Southern B-Type Emission-Line Stars. *A. Miroshnichenko,, H. Levato, K. Bjorkman, M. Grossi, S. Malaroda & G. Solivella.* 120
- Stasińska, G.** Physical properties of Planetary nebulae around [WC] central stars. *M. Peña, G. Stasińska, & S. Medina.* 25
- Stenborg, G.** On the evolution of the diurnal atmospheric opacity at EL LEONCITO. *N. Mazza, N. Nuñez, L. Balmaceda, C. Francile & G. Stenborg.* 150
- Stenborg, G.** Possible association of CMEs to the onset of solar rapid spikes observed at submm-waves. *A. Melo, A. Pacini, P. Kaufmann, J.P. Raulin, E. Correia, G. Giménez de Castro, A. Silva, M. Rovira, G. Stenborg, H. Levato & A. Marún.* 109
- Stock, J.** Quantitative Stellar Spectral Classification. II. Early Type Stars. *M.J. Stock, J. García, N. Sánchez, & J. Stock.* 17
- Stock, M.J.** Quantitative Stellar Spectral Classification. II. Early Type Stars. *M.J. Stock, J. García, N. Sánchez, & J. Stock.* 17
- Storchi-Bergmann, T.** Nuclear and Circumnuclear Kinematics of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Storchi-Bergmann, T.** Physical Conditions of the Ionized Gas in the Central Regions of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Storchi-Bergmann, T.** Triggering AGN's: an evolutionary scenario. *T. Storchi-Bergmann, R. Cid Fernandes, R. González Delgado, H.R. Schmitt, & T. Heckman.* 81
- Suntzeff, N.B.** Optical and Infrared Light Curve of SN2000ex. *J. Cuadra, N.B. Suntzeff, P. Candia, K. Krisciunas & M.M. Phillips.* 121
- Tancredi, G.** Observations of Cometary Nuclei, from CASLEO. *F. Artigue, G. Tancredi, J. Fernández, R. Gil Hutton, J. Licandro, M. Melitta & H. Rickman.* 103
- Teixeira, R.** Five-year optical variability of bright extragalactic sources. *T.P. Dominici, Z. Abraham, R. Teixeira & P. Benevides-Soares.* 140
- Telles, E.** Surface Photometry of Ultraluminous IRAS Galaxies. *C. Kehrig & E. Telles.* 138
- Tello, C.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Tello, C.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Testori, J.C.** A DRAO and VLA study of the environment of WR 130. *S. Cichowolski, S. Pineault, E.M. Arnal, J.C. Testori, W.M. Goss & C.E. Cappa.* 129
- Testori, J.C.** Neutral Hydrogen and Radio Continuum Emission in the IRAS Vela Shell. *R. Morras, E.M. Arnal, J.C. Testori, E. Bajaja, W.G.L. Pöppel & P. Reich.* 134
- Tissera, P.** The effects of mergers on the astrophysical properties of galaxy-like objects. *C. Scannapieco, P. Tissera, R. Domínguez-Tenreiro & A. Sáiz.* 138
- Tommasi, R.L.** Espectroscopía, fotometría y polarimetría del blazar PKS 2155-304. *R.J. Díaz, R.L. Tommasi & E. Pian.* 143
- Torrelles, J.M.** Spherical Ejection of Material from a Young Star. *J.M. Torrelles, N.A. Patel, J.F. Gómez, P.T.P. Ho, L.F. Rodríguez, G. Anglada, G. Garay, L. Greenhill, S. Curiel & J. Cantó.* 133
- Torres, A.F.** The hot temperature region in Be stars. *A.F. Torres & A.E. Ringuelet.* 110
- Torres, M.C.** Integrated Spectral Properties of 13 Open Galactic Clusters. *A.V. Ahumada, J.J. Clariá, E. Bica, C.M. Dutra & M.C. Torres.* 126
- Torres, S.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Tringaniello, L.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere. *A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo.* 118
- Trottet, G.** Dynamics of the coronal magnetic fields inferred from multifrequency radio observations of a solar flare. *E. Correia, J-P. Raulin, P. Kaufmann & G. Trottet.* 109
- Trottet, G.** First detection of the impulsive and extended phases of a solar radio burst above 200

- GHz. *J.P. Raulin, P. Kaufmann, G. Trottet, K.L. Klein, D. Gary & M. Siarkowski.* 108
- Uribe, A.** Membership in the region of the open cluster NGC2244 via the EM algorithm. *M.A. Higuera G., A. Uribe, & R.S. Barrera.* 33
- Vallejo, M.** El Círculo Meridiano Automático de San Fernando en San Juan. *M. Vallejo, J.L. Muñoz, F. Belizón, C. Mallamacci, & J.A. Pérez.* 102
- Vallejo, M.** Observaciones meridianas con cámara CCD en el Círculo Meridiano Automático de San Fernando. *J.L. Muñoz, F. Bellizón, M. Vallejo, C. Mallamacci, J.A. Pérez, J.A. Sedeño, L. Marmolejo & J. Navarro.* 101
- Valotto, C.A.** Population of Faint Galaxies in Clusters. *C.A. Valotto, H. Muriel, B. Moore, & D. García Lambas.* 72
- van Ballegooijen, A.A.** A semiempirical model for the large-scale minimum activity solar corona. *A.M. Vázquez, A.A. van Ballegooijen & J.C. Raymond.* 108
- van Driel-Gesztelyi, L.** Inferring the writhe of emerging flux tubes from the evolution of the orientation of bipole axes. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi & A. Pevtsov.* 108
- van Driel-Gesztelyi, L.** Peculiar active regions during the last two solar cycles. *M.C. López Fuentes, C.H. Mandrini, P. Démoulin & L. van Driel-Gesztelyi.* 107
- Vásquez, A.M** A semiempirical model for the large-scale minimum activity solar corona. *A.M. Vázquez, A.A. van Ballegooijen & J.C. Raymond.* 108
- Vázquez, R.A.** NGC 3293: Its Main Sequence Structure. *G. Baume, R.A. Vázquez, & A. Feinstein.* 37
- Vázquez, R.A.** Photometric Study in Stock 16. *G. Baume, R.A. Vázquez & A. Feinstein.* 128
- Vázquez, R.A.** Photometric study of NGC 2571. *E.E. Giorgi, R.A. Vázquez, G. Baume, W. Seggewiss, & J.M. Will.* 35
- Vega, L.** Nuclear and Circumnuclear Kinematics of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Vega, L.** Physical Conditions of the Ionized Gas in the Central Regions of Sersic-Pastoriza Galaxies: NGC 5248. *L. Vega, R.J. Díaz, S. Lípari, T. Storchi-Bergmann & H. Dottori.* 139
- Velázquez, P.F.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Venero, R.O.J.** Treatment of inverted populations in radiative transfer in expanding atmospheres of hot stars. *R.O.J. Venero & J. Puls.* 110
- Venero, R.** H line formation in the IR spectrum of Be stars. *L. Cidale, R. Venero, J. Zorec & J.P. Maillard.* 121
- Vidal-Madjar, A.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar.* 113
- Viegas, S.M.** Reanalyzing the Zanstra Discrepancy. *R. Gruenwald & S.M. Viegas.* 117
- Vieira, K** Solar Motion using all Hipparcos. *C. Abad & K. Vieira.* 112
- Vilchez, J.M.** Internal Variation of Electron Density in Galactic and Extragalactic HII Regions. *J.A.H. Mallmann, M.V.F. Copetti, I.C.F. dos Santos, H.O. Castañeda, & J.M. Vilchez.* 57
- Villada, M.** Bidimensional digitization of photographic stellar spectra of Córdoba Observatory. *J.H. Calderón, M. Villada & I. Bustos Fierro.* 148
- Villagrán Muniz, M.** Laser laboratory experiments, observations and numerical simulations of strong explosions. *P.F. Velázquez, A.C. Raga, H. Sobral, E. de la Fuente, M. Rosado, R. Navarro-González, & M. Villagrán Muniz.* 100
- Villamizar, N.** Estructuras circunnucleares en la galaxia activa interactuante NGC 1241: Cinemática y morfología en bandas ópticas e IR (HST y Gemini). *R.J. Díaz, H. Dottori, N. Villamizar, & G. Carranza.* 71
- Villela, T.** MASCO Gamma-ray experiment laboratory images. *T. Villela, J. Braga, J. Mejía, E. Rinke & R. Fonseca.* 147
- Villela, T.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres.* 148
- Villela, T.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Chidders, M. Kangas, A. Levy, S. Parendo & P. Lubin.* 148
- Voelzke, M.R.** Could Dynamic Pressure Ef-

- fects Cause the Disconnection Events in Comet P/Halley?. *M.R. Voelzke*. 104
- Wachlin, F.C.** Dynamics of Galactic Satellites on Elongated Orbits. *J.C. Muzzio, F.C. Wachlin, & D.D. Carpintero*. 69
- Watanabe, J.I.** Pre-Encounter Models of Comet 19P/Borrelly for the Deep Space 1 Mission. *D.C. Boice, R. Wegmann, J.I. Watanabe, A.A. de Almeida & M.V. Canaves*. 103
- Weidmann, R.** Pre-Encounter Models of Comet 19P/Borrelly for the Deep Space 1 Mission. *D.C. Boice, R. Wegmann, J.I. Watanabe, A.A. de Almeida & M.V. Canaves*. 103
- Weidmann, W.** Observaciones CCD de Grupos Compactos de Hickson. *D. Mast, M. Campos, W. Weidmann, M.P. Agüero, R.J. Díaz & J.C Calderón*. 142
- Weidmann, W.** Orientación espacial de nebulosas planetarias elongadas en la Vía Láctea. *W. Weidmann, R. Díaz & G. Carranza*. 131
- Whitney, B.** Outflows Associated with the Protostars in the  $\rho$  Ophiuchi Embedded Cluster. *M. Gómez & B. Whitney*. 134
- Will, J.M.** Photometric study of NGC 2571. *E.E. Giorgi, R.A. Vázquez, G. Baume, W. Seggewiss, & J.M. Will*. 35
- Willmer, C.N.A.** First Results of Metallicity Gradients in Elliptical Galaxies. *M.A.G. Maia, R.L.C. Ogando, P.S. Pellegrini, R.P. Schiavon, C. Chiappini, C. Rité, C.N.A. Willmer, L.N. da Costa, & M.V. Alonso*. 78
- Willmer, C.N.A.** The Population of Seyfert Galaxies in the Local Universe. *M.A.G. Maia, R.S. Machado, & C.N.A. Willmer*. 77
- Willmer, C.N.A.** The Aquarius Superclusters. *C.A. Caretta, M.A.G. Maia, & C.N.A. Willmer*. 76
- Wuensche, C.** New Partial Low-frequency Radio Sky Maps. *T. Villela, C. Tello, G. Smoot, C. Wuensche, M. Figueiredo, A. Pina, M. Bersanelli, G. D'Amici & S. Torres*. 148
- Wuensche, C.** The ACE project: a program to measure anisotropies and polarization in the Cosmic Microwave Background Radiation. *T. Villela, C. Wuensche, N. Figueiredo, A. Pina, C. Tello, P. Meinhold, J. Childers, M. Kangas, A. Levy, S. Parendo & P. Lubin*. 148
- Zandivarez, A.** Measuring the large-scale structure of the universe with the Updated Zwicky Catalogue. *A. Zandivarez & M.G. Abadi*. 137
- Zorec, J.** FUSE: distance determination and ISM towards V767 Cen. *Y. Frémat, J. Zorec, A.M. Hubert, L. Cidale, R. Rohrmann, J.M. Desert, R. Ferlet, A. Lecavelier & A. Vidal-Madjar*. 113
- Zorec, J.** Forbidden Components in the Line Spectrum of He I. I. Survey of B Stars in the Southern Hemisphere. *A. Ringuelet, L. Cidale, N. Morrell, L. Tringaniello, J. Zorec & C. Marañón Di Leo*. 118
- Zorec, J.** Fundamental parameters of Be stars taking into account their fast rotation. *J. Zorec, Y. Frémat, A.M. Hubert, M. Floquet & L. Cidale*. 114
- Zorec, J.** Multiperiodic variations of the Be star HD 127972. *R. Levenhagen, N. Leister, J. Zorec, E. Janot-Pacheco, A.M. Hubert & M. Floquet*. 112
- Zorec, J.** Multiperiodicity and NRP in Be stars. *E. Janot-Pacheco, N. Leister, R. Levenhagen, M.V.M. Fernandes, A.M. Hubert, M. Floquet, J. Zorec, S. Jankov, A.D. de Souza Jr & C. Neimer*. 115
- Zorec, J.** New VSINI determinations and physical properties of circumstellar envelopes in Be stars. *J. Zorec, J. Chauville, D. Ballereau, N. Morrell & L. Cidale*. 114
- Zorec, J.** Properties of Be star circumstellar envelopes deduced from Fe II emission lines. *M.L. Arias, J. Zorec, L. Cidale, J. Chauville & D. Ballereau*. 120
- Zorec, J.** Spectral classification of stars with the B[e] phenomenon. *A. Smith-Castelli, J. Zorec & L. Cidale*. 113
- Zorec, J.** H line formation in the IR spectrum of Be stars. *L. Cidale, R. Venero, J. Zorec & J.P. Maillard*. 121
- Zurita, C.** New results on the microquasar LS 5039. *J.M. Paredes, J. Casares, C. Zurita, J. Martí, & M. Ribó*. 55