

LIGHT AND FREQUENCY ANALYSIS OF DETACHED ECCENTRIC BINARY SYSTEM DT CAM WITH PRE-MAIN SEQUENCE COMPONENT <i>T. Özdemir & B. Gürol</i>	205
INVESTIGATING THE HYPERBOLIC AND HYBRID SCALAR FIELD COSMOLOGIES WITH VARYING COSMOLOGICAL CONSTANT IN $F(R, T)$ GRAVITY <i>N. Ahmed & T. M. Kamel</i>	217
NEW CATALOG OF DISTANCES TO PLANETARY NEBULAE BASED ON GAIA PARALLAXES AND STATISTICAL DISTANCES <i>Diego Hernández-Juárez, Mónica Rodríguez, & Miriam Peña</i>	227
X-RAY ANALYSIS OF SEYFERT 1 GALAXIES WITH OPTICAL POLARIZATION: A TEST FOR UNIFICATION MODELS <i>M. Gudiño, E. Jiménez-Bailón, A. L. Longinotti, M. Guainazzi, M. Cerviño, & A. C. Robledo-Orús</i>	241
IDENTIFICATION OF PLANETARY AND PROTO-PLANETARY NEBULAE CANDIDATES THROUGH AKARI INFRARED PHOTOMETRY <i>R. A. Márquez-Lugo, S. N. Kemp, G. Ramos-Larios, A. Nigoche-Netro, S. G. Navarro, & L. J. Corral</i>	261
LONG TERM CCD PHOTOMETRY OF THE DISTANT CLUSTER NGC2419: THE CMD REVISITED <i>A. Arellano Ferro, S. Muneer, Sunetra Giridhar, I. Bustos Fierro, M. A. Yepez, G. A. García Pérez, & G. Ríos Segura</i>	277
SUPERNOVAE PHOTOMETRY AT OAUNI <i>M. Espinoza & A. Pereyra</i>	293
RELATIONSHIP BETWEEN PHOTOMETRIC PERIOD AND SURFACE DIFFERENTIAL ROTATION IN CHROMOSPHERICALLY ACTIVE STARS <i>O. Özdarcan, H. A. Dal, E. Sipahi Kılıç, & E. Yoldaş</i>	305
INSTRUMENTAL BROADENING OF THE SPOL SPECTROPOLARIMETER AT THE UNIVERSITY OF ARIZONA <i>A. Amador-Portes, V. Chavushyan, & V. M. Patiño-Alvarez</i>	317

CONTENTS

THE CAVITY PROJECT: SPATIALLY-RESOLVED AND CHARACTERISTIC PROPERTIES OF GALAXIES DERIVED USING <code>pyPipe3D</code>	323
<i>S. F. Sánchez, R. García-Benito, R. González Delgado, A. Conrado, I. Pérez, A. Z. Lugo-Aranda, L. Sánchez-Menguiano, T. Ruiz-Lara, A. Jiménez, S. Duarte Puertas, J. Domínguez-Gómez, G. Torres-Ríos, M. Argudo-Fernández, G. Blázquez-Calero, M. Alcázar-Layne, S. Verley, D. Espada, U. Lisenfeld, A. Zurita, E. Florido, B. Bidaran, P. Villalba-González, A. Ferré-Mateu, P. M. Sánchez Alarcón, J. Román, I. del Moral-Castro, & F. Agüi</i>	323
FEED-FORWARD NEURAL NETWORKS TO ESTIMATE STOKES PROFILES	343
<i>J. M. Raygoza, I. H. Lopez, & J. C. Ramírez</i>	343
THE RADIO CONTINUUM SOURCE PROJECTED NEAR HR 8799	355
<i>L. F. Rodríguez & L. A. Zapata</i>	355
ALP-PHOTON INTERACTION IN THE STELLAR ENVIRONMENT	361
<i>A. Chaubey & A. K. Ganguly</i>	361
PRELIMINARY RESULTS FROM 5 YEARS' SPECTRAL MONITORING OF ANTARES	367
<i>Oostra & Batista</i>	367
RECENT UPDATE OF GAS-PHASE CHEMICAL REACTIONS AND MOLECULAR LINES OF TiO IN CLOUDY	373
<i>G. Shaw, G. J. Ferland, P. Stancil, & R. Porter</i>	373
THE VARIABLE STARS POPULATION OF THE EXTENDED YOUNG GLOBULAR CLUSTER NGC 1851	381
<i>A. Arellano Ferro, C. E. Pérez Parra, M. A. Yepez, I. Bustos Fierro, Z. Prudil, & L. J. Zerpa Guillen</i>	381
RADIO PROPER MOTIONS AND A SEARCH FOR THE ORIGIN OF PSR B1849+00	397
<i>L. F. Rodríguez, S. A. Dzib, L. A. Zapata, & L. Loinard</i>	397
X-RAY OBSERVATIONS OF THE VERY-FAINT X-RAY TRANSIENT XMMSL1 J171900.4-353217: A NEW CANDIDATE NEUTRON STAR LOW-MASS X-RAY BINARY	403
<i>O. Ahmed, N. Degenaar, R. Wijnands, & M. Armas Padilla</i>	403
ERRATUM: A PECULIAR GALAXY NEAR M104 (RMxAA, 2023, 59, 323)	413
<i>E. Quiroga</i>	413
ERRATUM: COMPUTING POLYTROPIC AND ISOTHERMAL MODELS USING MONTE CARLO METHOD (RMxAA, 2024, 60, 3)	415
<i>Mohamed I. Nouh, Essam A. Elkholy, & Samah H. El-Essawy</i>	415
ERRATUM: PHOTOMETRIC ANALYSIS OF TWO K SPECTRAL TYPE CONTACT BINARY SYSTEMS (RMxAA, 2022, 58, 237)	417
<i>C. Barani, M. Martignoni, F. Acerbi, R. Michel, H. Aceves & V. Popov</i>	417
AUTHOR INDEX	419