

ON THE IMPACT OF CENTRAL OBSCURATION ON THE EFFECTIVENESS OF GROUND-BASED O/IR TELESCOPES	<i>A. V. Hakobyan</i>	285
OPTICAL POLARIZATION STUDY IN THE CENTAURUS REGION: NGC 5662	<i>M. M. Vergne, C. Feinstein, & R. E. Martínez</i>	293
ESTIMATION OF THE STAR FORMATION RATE USING LONG-GAMMA RAY BURSTS OBSERVED BY SWIFT	<i>M. Elías & O. M. Martínez</i>	309
NUMERICAL SIMULATION OF THE HH 30 ASTROPHYSICAL JET NEAR ITS LAUNCH SITE	<i>C. L. Gardner, J. R. Jones, & P. B. Vargas</i>	317
VARIABLE STARS IN NGC 4147 REVISITED: RR LYRAE STARS NEW CCD VI PHOTOMETRY AND PHYSICAL PARAMETERS	<i>A. Arellano Ferro, F. C. Rojas Galindo, S. Muneer, & Sunetra Giridhar</i>	325
AGB CANDIDATES IN THE FIELD OF γ CAS	<i>R. Nesci, T. Twikene, C. Rossi, S. Gaudenzi, S. Galleti, P. Ochmer, & H. Enke</i>	341
δ MUS REVISITED: RECTIFYING A 82 YR-OLD MISTAKE	<i>Dimitri Pourbaix & Henri M. J. Boffin</i>	355
EXACT TRAVELING WAVE SOLUTIONS OF KDV EQUATION FOR DAWS IN SUPERHERMAL PLASMA	<i>U. M. Abdelsalam & M. S. Zobaer</i>	363
KINEMATICS OF THE GALACTIC BUBBLE RCW 120	<i>M. Sánchez-Cruces, A. Castellanos-Ramírez, M. Rosado, A. Rodríguez-González, & J. Reyes-Iturbide</i>	375
ON THE ORBITAL PERIOD OF THE CATAclysmic VARIABLE V767 CYG	<i>A. Avilés, C. Chávez, P. García, & E. Pérez-Tijerina</i>	389
DETERMINATION OF STELLAR ATMOSPHERIC PARAMETERS FOR A SAMPLE OF POST-AGB STARS	<i>R. E. Molina</i>	397
KIMYA, A CODE FOR SOLVING CHEMICAL REACTION NETWORKS IN ASTROPHYSICS	<i>A. Castellanos-Ramírez, A. Rodríguez-González, P. R. Rivera-Ortíz, A. C. Raga, R. Navarro-González, & A. Esquivel</i>	409
A WINDSWEPT CLOUD CORE ADJACENT TO HH 2	<i>A. C. Raga, B. Reipurth, & A. Noriega-Crespo</i>	423
STUDYING MID-RANGE PLANAR ORBITS AROUND PHOBOS	<i>M. P. O. Cavalca, A. F. B. A. Prado, J. K. S. Formiga, V. M. Gomes, & D. M. Sanchez</i>	429

CONTENTS

THE HI- AND H ₂ -TO-STELLAR MASS CORRELATIONS OF LATE- AND EARLY-TYPE GALAXIES AND THEIR CONSISTENCY WITH THE OBSERVATIONAL MASS FUNCTIONS <i>A. R. Calette, V. Avila-Reese, A. Rodríguez-Puebla, H. Hernández-Toledo, & E. Papastergis</i>	443
STUDYING DIRECT AND INDIRECT EFFECTS OF IMPULSES IN POWERED AERO-GRAVITY-ASSIST MANEUVERS AROUND VENUS <i>J. O. Murcia, A. F. B. A. Prado, & V. M. Gomes</i>	485
ERRATUM: THE VARIABLE STAR POPULATION IN THE GLOBULAR CLUSTER NGC 6934. (RMXAA, 2018, 54, 15) <i>M. A. Yopez, A. Arellano Ferro, S. Muneer, & Sunetra Giridhar</i>	501
AUTHOR INDEX	503