

NP PAVONIS : DIFFERENTIAL CORRECTIONS ANALYSIS OF THE <i>UBV</i> OBSERVATIONS	<i>M. A. Cerruti</i>	141
INFRARED IMAGING AND OPTICAL IMAGING AND SPECTROSCOPY OF (MOSTLY) TYPE I PLANETARY NEBULAE II.	<i>J. Bohigas</i>	149
<i>uvbyβ</i> PHOTOELECTRIC PHOTOMETRY OF THE OPEN CLUSTER NGC 6823	<i>J. H. Peña, A. García-Cole, M. A. Hobart, C. de la Cruz, J. C. Plascencia, &amp; R. Peniche</i>	171
THE MANCHESTER ECHELLE SPECTROMETER AT THE SAN PEDRO MÁRTIR OBSERVATORY (MES-SPM)	<i>J. Meaburn, J. A. López, L. Gutiérrez, F. Quiróz, J. M. Murillo, J. Valdés, &amp; M. Pedrayez</i>	185
LA GRANJA: A BEOWULF TYPE COMPUTER FOR NUMERICAL SIMULATIONS IN STELLAR AND GALACTIC DYNAMICS	<i>H. Velázquez &amp; L. A. Aguilar</i>	197
A MODEL FOR THE CROSS SECTION OF A TURBULENT, RADIATIVE JET OR WAKE	<i>J. Cantó, A. C. Raga, &amp; A. Riera</i>	207
ULTRAVIOLET SPECTROSCOPY OF THE MASSIVE LMC MULTIPLE SYSTEMS SK-67°18 (BR5) AND HD 36402 (BR31)	<i>G. Koenigsberger, A. F. J. Moffat, &amp; L. H. Auer</i>	213
THE CIRCUM-GALACTIC ENVIRONMENT OF LINERS	<i>Y. Krongold, D. Dultzin-Hacyan, P. Marziani, and J. A. de Diego</i>	225
ANALYSIS OF SELECT RR LYRAE STARS IN SERPENS FROM <i>UVBYβ</i> PHOTOELECTRIC PHOTOMETRY	<i>J. H. Peña</i>	239
NEAR GROUND WIND SIMULATIONS BY A MESO-SCALE ATMOSPHERICAL MODEL FOR THE EXTREMELY LARGE TELESCOPES SITE SELECTION	<i>E. Masciadri</i>	249
AN ANALYTIC MODEL FOR THE MOTION OF THE HEAD OF A VARIABLE JET	<i>J. Cantó &amp; A. C. Raga</i>	261
THE PULSAR LUMINOSITY FUNCTION	<i>O. H. Guseinov, E. Yazgan, S. O. Tagieva, &amp; S. Özkan</i>	267

## CONTENTS

PHOTOMETRIC AND SPECTROSCOPIC STUDY OF THE SHAKHBAZIAN COMPACT GALAXY GROUPS SHCG 31, SHCG 38, SHCG 43, AND SHCG 282	282
<i>H. M. Tovmassian, H. Tiersch, S. G. Navarro, V. H. Chavushyan, G. H. Tovmassian, A. S. Amirkhanian, &amp; S. Neizvestny</i>	275
SEEING MEASUREMENTS AT SAN PEDRO MÁRTIR OBSERVATORY USING THE DIMM METHOD	
<i>R. Michel, J. Echevarría, R. Costero, O. Harris, J. Magallón, &amp; K. Escalante</i>	291
CCD-BASED ASTROMETRIC MEASUREMENT OF PHOTOGRAPHIC PLATES	
<i>I. H. Bustos Fierro &amp; J. H. Calderón</i>	303
A STUDY OF THE VARIABILITY OF WATER MASER EMISSION IN A SAMPLE OF YOUNG STELLAR OBJECTS	
<i>M. A. Trinidad, V. Rojas, J. C. Plascencia, A. Ricalde, S. Curiel, &amp; L. F. Rodríguez</i>	311
ERRATUM	331
AUTHOR INDEX	335