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**THE NEW 60-CM TELESCOPE OF THE SHUMEN UNIVERSITY
ASTRONOMICAL CENTER**

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We present the 60cm Ritchey-Chretien telescope of the Shumen University Astronomical Center and its equipment allowing remote-controlled observations. We found that the unit is appropriate for observations of different types of stars up to 17 mag with precision better than 0.02 mag for short exposures. The fainter stars would require exposures in the order of several minutes. We determine the transformation equations for transfer to standard Sloan g' , r' , i' photometric system and standard set of UBVRI filters with response curves close to those listed in Bessell (1990).

We briefly describe the telescope assembly process and calibration procedures. The telescope will mainly be used for photometric observations of variable stars and finally, we present the first observational results gathered with the new instrument.

References:

[1] Bessell, M.S. 1990, PASP, 102, 1181.