

Ringed Barred Galaxy NGC 2336

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Results are presented for surface UBVR_I photometry of the giant spiral galaxy NGC2336. The data were obtained with the 1.8-m telescope at Bohyunsan Optical Astronomy Observatory using a CCD camera. Structure and radial light distribution of the galaxy were studied. The compositions of the stellar populations in various regions of the galaxy are estimated using two-color diagrams. The regions of star formation are identified. Parameters of 34 largest regions were obtained. The ages of the star formation regions in the galaxy are estimated using an evolutionary method. It is shown that an active constant non-burst star formation proceeds in the disk of NGC 2336.

UBVI CCD Photometry of the Stars and Globular Cluster Candidates in the Sculptor Group Galaxy NGC 300

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We present *UBVI* CCD photometry of the stars and globular cluster candidates in the Sculptor group galaxy NGC 300. From the images obtained with SSO 40 inch telescope + SITe 2048 × 2048 (20.'5 × 20.'5), we have measured the magnitudes and colors of ~6000 point sources with $V \leq 22$ mag. Color-magnitude diagrams with appropriate isochrones for 18 OB associations in NGC 300 having more than 30 member stars are presented. The mass function (MF) and initial mass function (IMF) for the stars in NGC 300 are discussed. We have found ~40 globular cluster (GC) candidates using color constraint, radial moment classifier and visual examination. Some characteristics of these newly found GC candidates are also discussed.