

# Investigation of star clusters found in the 2MASS catalog

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**Abstract.** We have launched a program of *UBVR* CCD photometric investigations of new clusters detected in the 2MASS catalog based on an automatic detection method, which uses a convolution with a density function. Three new clusters, Kopusov 12, Kopusov 53 and Kopusov 77 were observed in *UBVI* with the 104 cm *Sampurnanand* telescope located at ARIES, Manora Peak, India. Their ages, distances, color excesses and metallicities have been derived using photometric data.

**Keywords.** open clusters and associations: general, open clusters and associations: individual (Kopusov 12, Kopusov 53, Kopusov 77)

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The full poster (in pdf format) is available at  
<http://www.astro.iag.usp.br/~iaus266/Posters/pGlushkova.pdf>.