

UBVRI PHOTOMETRY OF THE POSSIBLE BINARY OPEN STAR CLUSTER NGC 6755/NGC 6756

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The existence of binary clusters is established in our neighboring galaxies, the Magellanic Clouds. There is only a sparse population of such cluster pairs that have a common origin and/or are physically related in our Galaxy. Amongst the 1600 open clusters known in our Galaxy the only one well ascertained double (binary) cluster is NGC 869/ NGC 884 known also as h + Persei. It is located at a distance of more than 2 kpc from the Sun. We investigate the possible physical relation between the closely projected open clusters NGC 6755 and NGC 6756 using data obtained with the 2-m RCC telescope at NAO „Rozhen“, Bulgaria. Our aim is to determine more precisely the reddening, distances and ages for both clusters in order to confirm or disapprove their binarity.