

**STUDIES OF SELECTED VOIDS.
 FAINT GALAXIES IN THE DIRECTION OF THE VOID 0049 +05**

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Coordinates, multiaperture apparent B-magnitudes, diameters, position angles and some morphological parameters have been defined for 2297 faint galaxies in the region of 1 sq. deg. in the direction of 0049+05 void. The data have been taken with the 2-m RCC telescope of the NAO „Rozhen“, Bulgaria. The galaxies were selected using visual inspection (1975 galaxies selected) and automatic selection and classification of the objects with the INVENTORY package from MIDAS. Statistical investigations show the sample is full up to a diameter of ca. 4".

MIDAS cluster analysis have been used to study the distribution of different parameters of galaxies in the sample. The traces of 5 self structured subgroups have been marked. Some foreground galaxies are located in this direction. There is no meaningful preferable orientation of the galaxies in this region. High and Low surface brightness and probably Giant Low Surface Brightness Galaxies are selected.

First results from visual selection of galaxies in VOIDS

Name	h	m	s	o	'	"	N1	Plates_No.	No_gal	N_POSS
V6	00	49	00	05	00	00	45	1867	1975	568
V7	02	00	00	13	00	00	35	2043		
V8	10	42	00	00	00	00	50	1896	847	
V9	13	00	00	35	00	00	45	1817		
V10-1	13	06	00	36	00	00	45	1897	1126	
V10-2	13	06	00	35	00	00	45	1899	829	
V10-3	13	06	00	34	00	00	45	1898	914	
V11	13	12	00	35	00	00	50	1890	444	
V12	16	00	00	18	00	00	100	1830,1831,1818	1745	225
V13	23	20	00	13	39	00	50	1861	279	90

Rem: Name - our conditional name according to Right Accension. If several fields cover the regioh, the second number is used.

Example.: V1-2, V4, V10-1, etc.

N1 – the number of galaxies in 1 sq. degree according to Shane,1975.

No-gal. - the number of galaxies found on our plates.

N_POSS – the number of galaxies in the same fields on the POSS plates.