

621.315.5

B 80



О.В. КОНОРЕВА, О.І. РАДКЕВИЧ,
В.І. СЛІСЕНКО, В.П. ТАРТАЧНИК

ВПЛИВ ДЕФЕКТІВ СТРУКТУРИ НА ФІЗИЧНІ ВЛАСТИВОСТІ ОКРЕМИХ НАПІВПРОВІДНИКОВИХ СПОЛУК $A^{III}B^V$



A B^V,

A B^V,

The monograph presents the literature analyze, systematized and generalized the results of many years researches of structural damages in the A B^V group semiconductors, obtained at the Department of Radiation Physics (Institute of Nuclear Research, NAS of Ukraine). The specifics of radiations effects on the optical and electro-physical characteristics of the selected objects are analyzed. The influence of heat treatment on crystals structure defects is considered. The consequences of the degradation-relaxation processes of some ultrasonically treated A B^V compounds are described.

It is designed for a wide range of scientists and specialists in areas of radiation solid-state physics and semiconductor physics.

(6 03 2019 .)

« - »

© . . . , . . . , 2021

© « “ ”

2.9.	-	114
2.10.	.....	118
	G As _{1-x}	118
p-n-	.....	121
3.1.	-	121
G	.....	123
3.2.	G	128
3.3.	-	132
G	.....	134
3.4.	G	138
3.5.	-	141
3.6.	.....	149
3.7.	G As _{1-x}	150
4	-	155
	A B ^v ,	159
4.1.	.....	161
4.2.	-	166
	G -n-	172
4.3.	G -n-	177
4.4.	n	180
4.5.	G As _{1-x} -	172
4.6.	G s -	177
4.7.	.....	180
	G	180