

STUDY OF PLASTICALLY DEFORMED ZnS:Mn  
CRYSTALS BY EPR

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S u m m a r y

The electronic paramagnetic resonance spectra in single crystals ZnS:Mn are researched. The regularities of the processes of modification of a structure and the local symmetry of impurity centers in the whole volume of the plastically deformed samples are clarified. It is shown with the use of the directed dosed deformations that there is a possibility to obtain ZnS crystals with any preset ratio of the volumes of differently oriented areas of sphalerite upon the concentration of stacking faults (SF) from the initial value up to zero.