

## FEATURES OF MANGANESE DIFFUSION IN ZnS POWDERS

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### S u m m a r y

The diffusion of manganese ions in powder-like zinc sulfide after its thermal doping with Mn has been studied. Photoluminescence (PL) and Raman scattering (RS) of light were measured at various times after doping having been completed, which allowed us to trace the process of Mn diffusion in ZnS. It has been shown that the processes of diffusion and incorporation of Mn ions into the crystal lattice of a ZnS specimen practically come to the end after the 240-h holding of the specimens under ambient conditions at  $T = 300$  K.