

DISLOCATION STRUCTURE AND “DISLOCATION”
PHOTOLUMINESCENCE IN CADMIUM
TELLURIDE CRYSTALS PERMALLOY

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S u m m a r y

The generation of dislocations in CdTe and Cd(Zn)Te crystals gives rise to the appearance of new bands — “dislocation” photoluminescence — in the spectra of radiative recombination. Comparing the spatial distribution of the radiation intensity for various radiation bands for (111) and (001) faces with the crystallographic structure of dislocations, we identified the types of defects responsible for the “dislocation” photoluminescence.