

SELF-CONSISTENT DEFORMATION-DIFFUSION
SPATIAL REDISTRIBUTION OF DEFECTS
IN A SEMICONDUCTOR INDUCED
BY THE ELECTRIC FIELD

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S u m m a r y

A nonlinear model describing the self-consistent electric-deformation-diffusion redistribution of point defects in semiconductors has been proposed. Conditions for the bulk of a CdTe semiconductor to be purified from clusters of ionized Cd_i interstitials have been established.