

FEATURES OF NEUTRON IRRADIATION EFFECT
ON DYNAMIC ACOUSTO-DEFECT INTERACTION
IN SILICON SOLAR CELLS

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S u m m a r y

The effect of ultrasound on the electron diffusion length and the short-circuit current in silicon solar cells operating in the dynamic mode has been studied experimentally. The variations of features of this effect after a modification of semiconductor structures by the neutron irradiation are analyzed. It is shown that a reversible reconstruction of defect complexes in the ultrasound field can be responsible for the effects observed.