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The aim is to give an overview of the physics of extended defects in Germanium, i.e. dislocations (line defects), grain boundaries, stacking faults, twins and $\{311\}$ defects (two-dimensional defects) and precipitates, bubbles, etc.

Extended Defects in Germanium - Fundamental and

Stability of extended defects created by high fluence helium implantation (50 keV, 5×10^{16} cm⁻²) from room temperature to 800 °C has been studied using transmission electron microscopy.

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The aim is to give an overview of the physics of extended defects in germanium, i.e., dislocations (line defects), grain boundaries, stacking faults, twins and $\{311\}$ defects (two-dimensional defects) and precipitates, bubbles, etc.

Extended Defects in Germanium: Fundamental and

defect; zero or one in the case of a compact self-interstitial (e.g. a simple or split interstitial), but much larger

in the case of an amorphous pocket, though this still only contains one excess atom.

Extended point defects in crystalline materials: Ge and Si

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