SIMULATION OF THE TEMPERATURE DEPENDENCE OF ATOMIC RELOCATIONS IN COLLISION CASCADES

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S u m m a r y

Molecular dynamics simulations of atomic collision cascades, initiated by 100 eV Ar ions in an Al(100) crystal, are performed at ambient temperatures from 0 to 500 K with a step of 100 K. The number of atomic relocations directed to the surface increases with growth of the temperature.