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Semiconductor Device Physics and Design UMESH K. MISHRA University of California, Santa Barbara, CA, USA and JASPRIT SINGH The University of Michigan, Ann Arbor, MI, USA

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hole will drift through the semiconductor. and a function of the scattering or collision processes within the semiconductor. Two scattering mechanisms are lattice scattering and impurity scattering. Lattice scattering occurs because atoms in a semiconductor contain a certain amount of thermal energy in the form of atomic vibrations.

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