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Principles of Semiconductor Devices L Length m Ln Electron diffusion length m Lp Hole diffusion length m m Mass kg m0 Free electron mass kg me* Effective mass of electrons kg mh* Effective mass of holes kg n Electron density m⁻³ ni Intrinsic carrier density m⁻³ n(E) Electron density per unit energy and per unit volume m⁻³ n0 Electron density in thermal equilibrium m⁻³

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Sima Dimitrijev is Professor at the Griffith School of Engineering and Deputy Director of Queensland Micro- and Nanotechnology Centre at Griffith University in Australia. He is the author of Understanding Semiconductor Devices (OUP, 2000) as well as numerous other publications in the areas of MOSFET technology, modeling, and applications.

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