

Deterministic Solvers For The Boltzmann Transport Equation

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Introduction. - Electron transport in the 3D k-space: The Boltzmann transport equation and its projection onto spherical harmonics. - Device simulation. - Band structure and scattering mechanisms. - Results. - Transport in a quasi 2D hole gas: Coordinate systems and systems of equation. - Efficient k . p SE solver. - Efficient 2D k-space discretization and non-linear interpolation schemes. - Deterministic solver for the multisubband stationary BTE. - Poisson equation. - Iteration methods. - Results. - References. EAN/ISBN : 9783709107782 Publisher(s): Springer, Berlin, Springer, Wien Format: ePub/PDF Author(s): Hong, Sung-Min - Jungemann, Christoph - Pham, Tuan

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