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Stanley Osher and Donald J. Rose}, title = {Numerical  
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submicron semiconductor device}, year = {}}
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Numerical Simulation Of Submicron Semiconductor
Numerical simulation of submicron semiconductor devices,
Kasutaka Tomisawa, Artech House Inc., Boston and London,
1993, 341 pp

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Numerical results are presented, in comparison with other methods, for the modelling of a N + - N- N + structure. This paper is devoted to the description and application of a deterministic particle method (the weighted particle method) for the numerical solution of the semiconductor Boltzmann equation self-consistently with Poisson equation.

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thickness of circuit topology features (e.g., lines, metallization, pads) can vary from a few tens to a few ...

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fact lists most of the scattering mechanisms with their

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mathematical formulations, the equations derived therein are later used for developing fortran codes. There are fortran codes scattered all over the book and the appendix ...

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