About us

Development of user-friendly software for the simulation of electronic and optoelectronic semiconductor nanodevices such as quantum cascade lasers, nanotransistors, LEDs, solar cells, resonant tunneling diodes, quantum dots, HEMTs and infrared detectors.

nextnano GmbH is a spin-off from the Walter Schottky Institute of the Technische Universität München.

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QCLs

Operating principle
Photons are emitted via intersubband transitions. Electrons tunnel resonantly into the quantum well of the next cascade.

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