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NEMO5

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NEMO5

NEMO5 is the fifth edition of the NanoElectronics **MO**deling Tools of the Klimeck group. It incorporates the core concepts and insights gained from 15 years of development of [NEMO-1D](#), [NEMO-3D](#), NEMO-3D-Peta and [OMEN](#).

NEMO5 licensing agreements for academic and commercial use are available. NEMO5 is free, with restrictions, for academic use. Please see the [Availability](#) page for details. Software distribution and support is handled through the NEMO5 [distribution and support group](#) on [nanoHUB](#).

The core capabilities of NEMO5 lie in the atomic-resolution calculation of nanostructure properties: [strain relaxation](#), [phonon modes](#), [electronic structure](#) using the tight-binding model, selfconsistent [Schroedinger-Poisson](#) calculations, and [quantum transport](#).

Recently Prof. Klimeck has founded NEMOco, LLC which is geared towards the commercialization of NEMO5. Purdue recently released a [news announcement about NEMOco, LLC](#) and a brief [NEMOco intro video](#). More information about NEMOco, LLC will be forthcoming.

NEMO5

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