

NanoEngineer-1

NanoEngineer-1™ is an open-source (GPL) 3D multi-scale modeling and simulation program for nano-composites with special support for structural DNA nanotechnology. It features an easy-to-use interactive 3D graphical user interface for designing and modeling large, atomically precise composite systems.

For simulation and analysis, NanoEngineer-1 supports multiple molecular dynamics and quantum mechanics systems in a single environment, providing a wide range of nano-scale simulation capabilities. The following molecular dynamics and quantum chemistry packages are supported:

- GROMACS
- GAMESS
- PC GAMESS

- Massively Parallel Quantum Chemistry (MPQC) Program

NanoEngineer-1 is currently under development and is scheduled for release in the spring of 2008. For a better idea of what NanoEngineer-1 is all about, check out the NanoEngineer-1 Gallery .