

Cogenda 사 VisualTCAD

A. 목적 : TCAD simulation

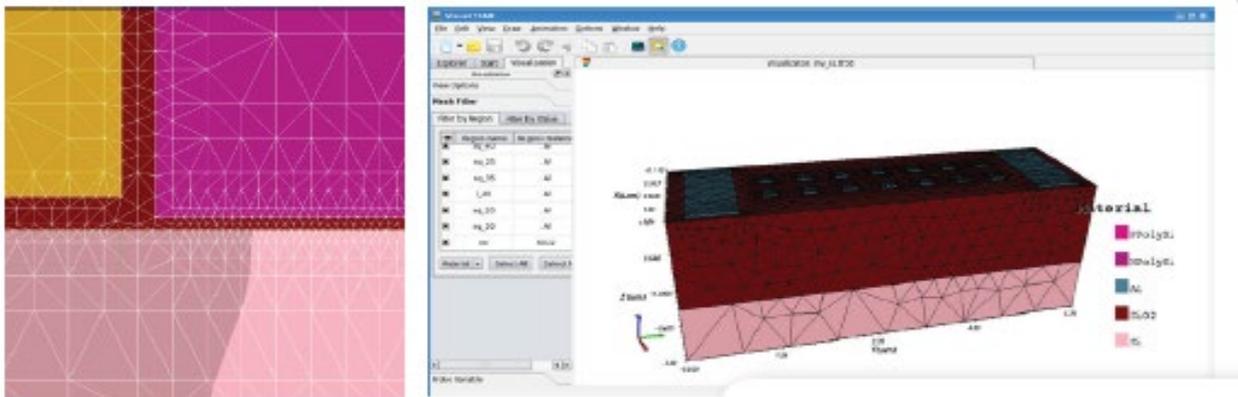
B. 구분 : High Accurate User-friendly TCAD simulation with 3D Structure Simulator

C. Supported Platform and O/S System

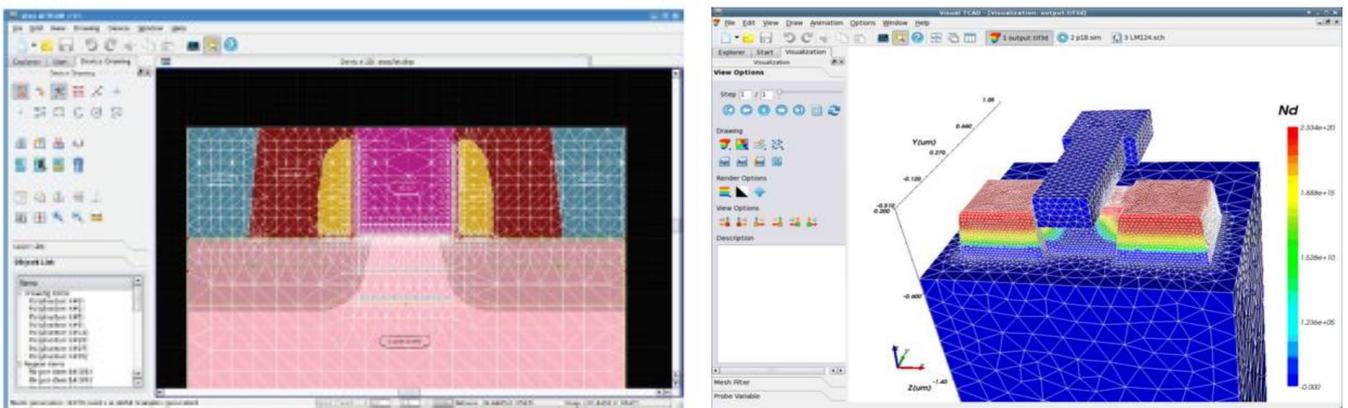
- Windows XP, Vista, 7 (32 bit / 64 bit)
- RHEL 5, 6, 7
- Ubuntu 1204, 1404, 1604

D. 특성 및 기능

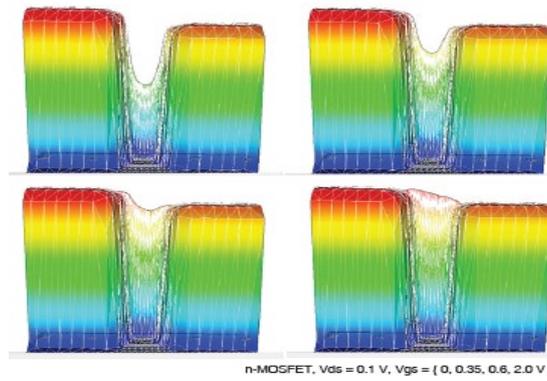
- 3D Parallel Simulation Engine "Genius" 적용
- 유저 친화적 GUI 및 일반적 TCAD 대비 단순한 Flow 제공
- Inverter, Diode, MOSFET 등의 Tutorial model 제공
- SEE, TID 등의 Advanced Model 보유 및 Radiation 관련 우수한 Performance 제공
- Windows / Linux Platform 지원



Convergence에 최적화하기 위한 High Quality의 Mesh Structure



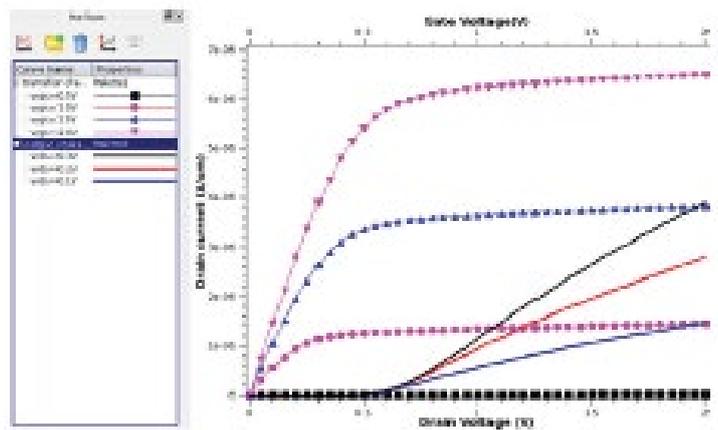
Modeling 구조에 대한 3D View 제공



n-MOSFET, Vds = 0.1 V, Vgs = { 0, 0.35, 0.6, 2.0 V }

Animation Visualization (Carrier density ETC)

Time	Position	Parameter 1	Parameter 2	Parameter 3	Parameter 4	Parameter 5
0.0	0.0	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.1	0.1	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.2	0.2	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.3	0.3	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.4	0.4	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.5	0.5	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.6	0.6	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.7	0.7	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.8	0.8	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
0.9	0.9	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00
1.0	1.0	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00	1.000000E+00



Simulation 결과에 대한 X-Y plot 분석 제공 (CSV Download 가능)

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