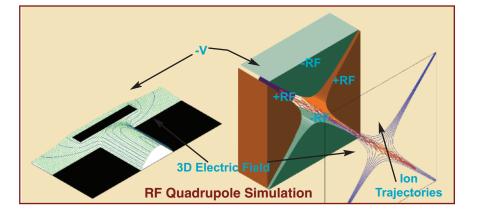
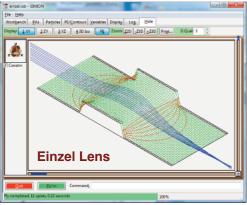


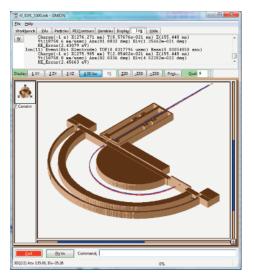
The industry standard for charge particle optics simulation.

- Design and improve instruments, mass spectrometers
 and other ion optics lens systems.
- Calculate electric and magnetic fields from 2D & 3D models, static or RF (quasistatic)
- Calculate charged particle trajectories.
- Visualize, optimize, and analyze results.

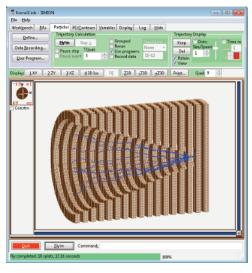
- Extensible user programming for crazy flexibility.
- Free basic tech support-phone/e-mail/forum.
- Widely used for 35 years both commercially and in academia, including by most MS manufacturers.







Hemispherical Analyzer with Lens Optics



RF Ion Funnel/Collisions

Part No.	Description
SIMION81	SIMION 8.1
SIMION81LK	SIMION 8.1 Lab Kit - For Universities Use Only - Up to 30 seats
SIMION81U	SIMION 8.1 Upgrade from SIMION 8.0
SIMION81U7	SIMION 8.1 Upgrade from SIMION 7.0
SIMION81AL	SIMION 8.1 Academic Lease (1 year)

Free 8.1.x updates included with 8.1 purchase



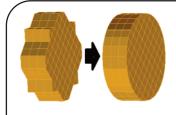




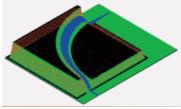
New Features in SIMION 8.1.2 (and 8.2EA/beta)

Now faster, more accurate, and more versatile.

— More Accurate -



Improved curved surface handling ("surface enhancement") gives order of magnitude accuracy improvement

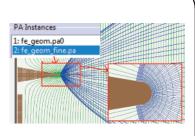


Large 64-bit array sizes up to 20 billion points / 190 GB

Example: 56 GB PA running in Amazon EC2



Oblong, non-square grid cells.



Nested refining techniques

