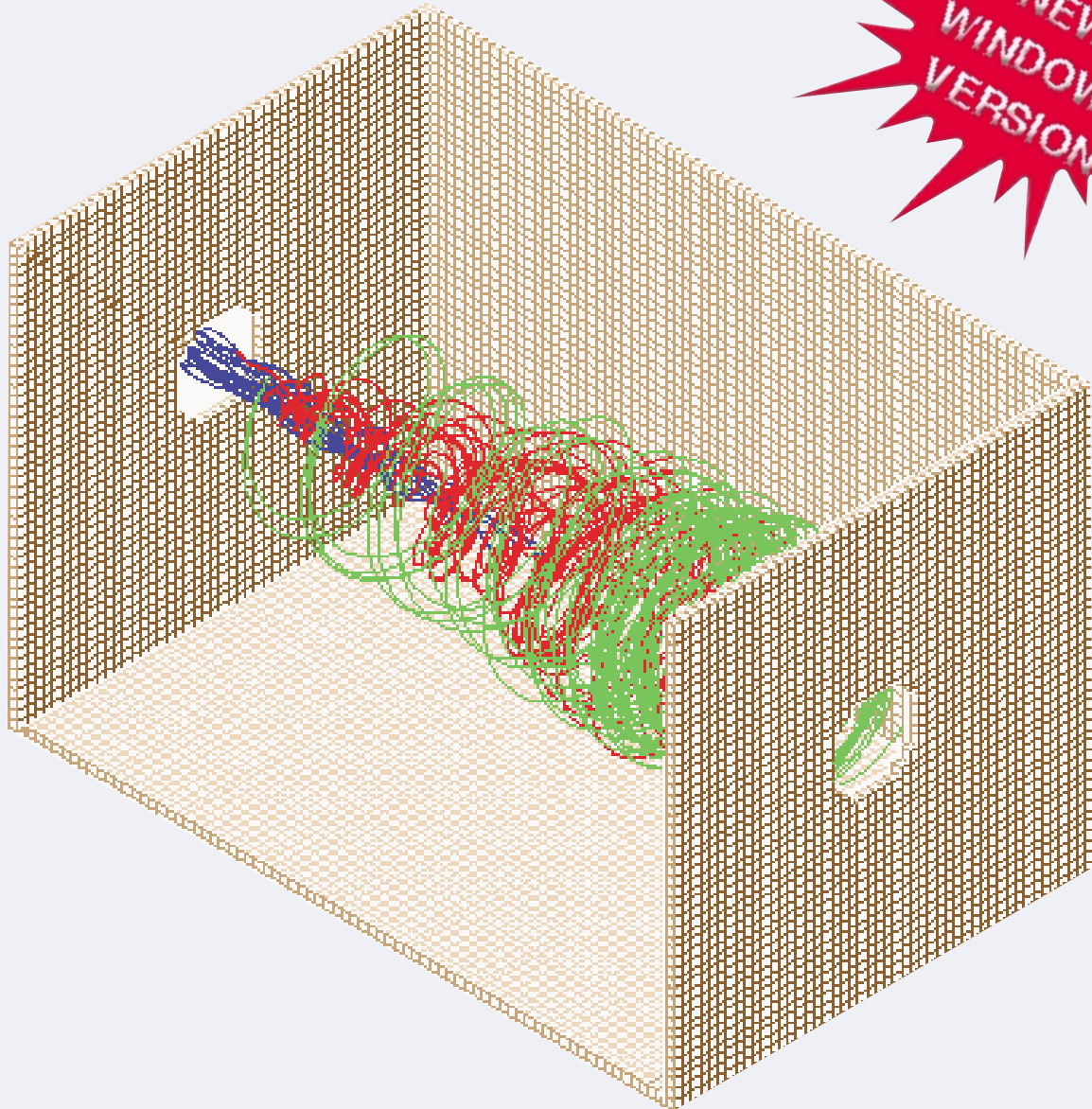


SIMION 3D 7.0

The Industry Standard for Ion Optics Simulations



**NEW
WINDOWS
VERSION**

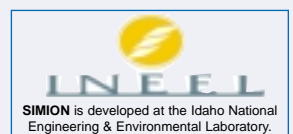


Scientific Instrument Services, Inc.

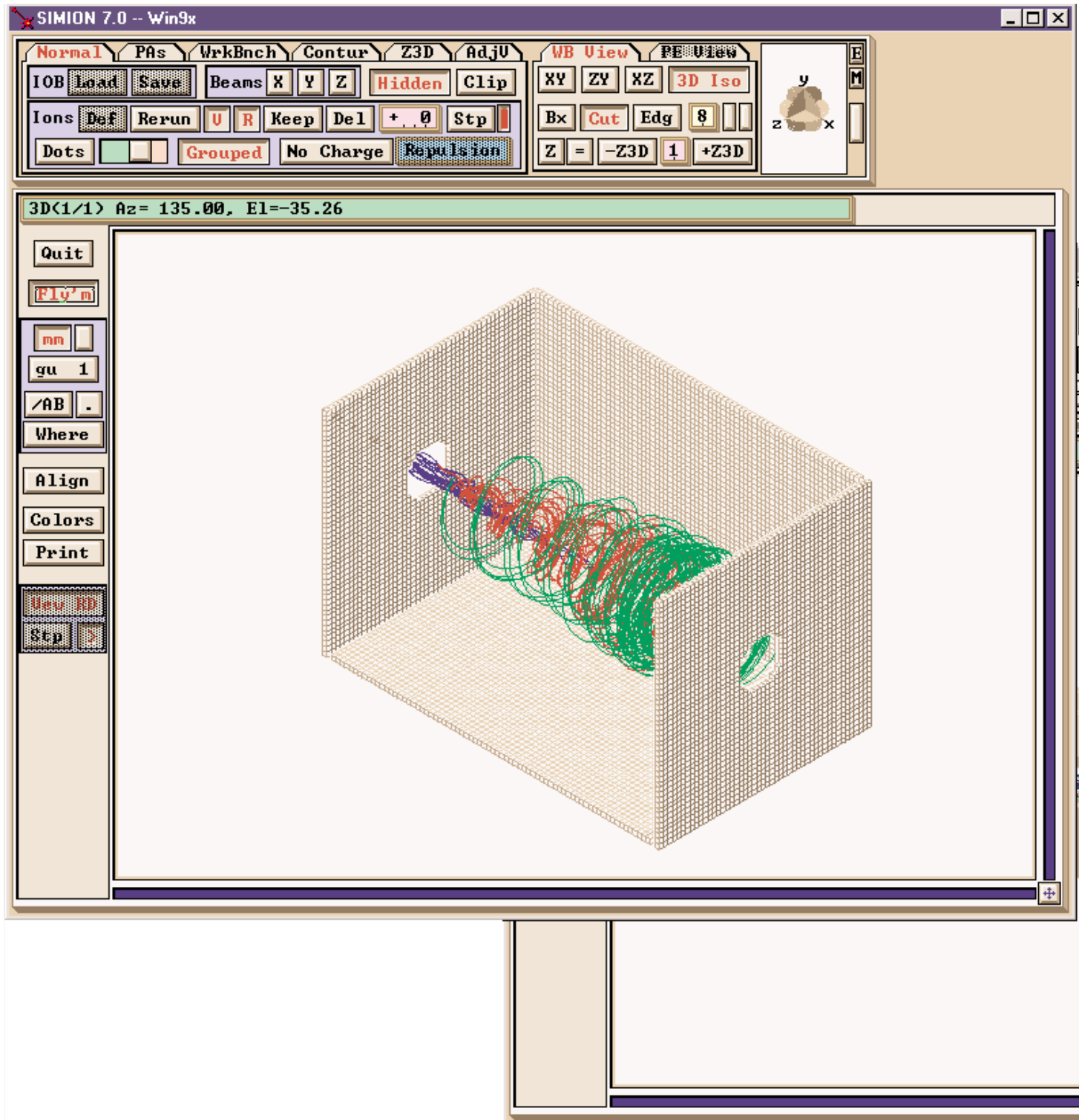
1027 Old York Rd, Ringoes, NJ 08551

Phone: (908) 788-5550

Fax: (908) 806-6631

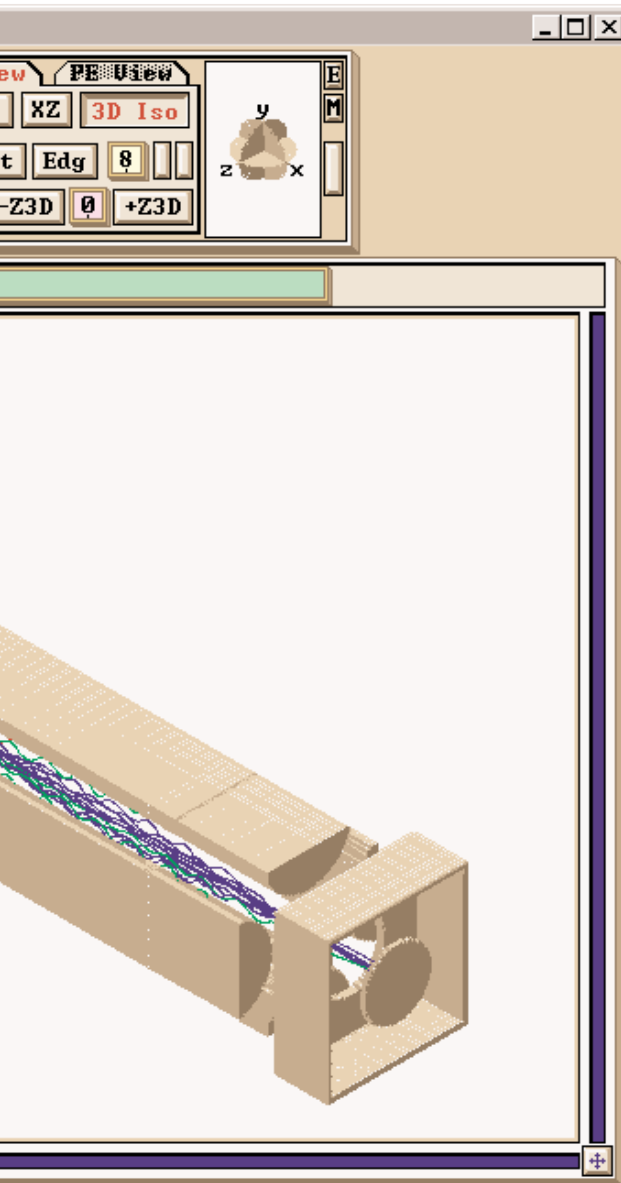


SIMION 3D 7.0



Since 1978 SIMION has been the industry standard for modeling of electron and ion optics. It incorporates an ion optics workbench strategy that allows one to size, orient, and position up to 200 instances (3D electrostatic or magnetic elements) within a workbench volume of up to 8 cubic km. Complex systems or even entire instruments can be modeled. Ions can be simulated, flown singly or in groups through the created geometry, displayed as lines or flying dots, and automatically be re-flown to provide movie effects when needed. Other features include data recording, time dependent fields, (limited) charge repulsion, user programs, and geometry files. The result is a program that can model a wide range of problems including:

mass spec ion source and detector optics, time-of-flight instruments, ion traps, quadrupoles, magnetic sectors, electrospray and thermospray systems, ICR cells, electron and ion sources, and much more.



NEW SIMION 7.0 FEATURES

- **Full Windows 95/98/NT Compatibility**
- **Support of New Generation color printers (e.g. Canon 620) in addition to all the standard Windows printers.**
- **Array size increased to 50,000,000 points.**
- **Multitasking - one can run several copies of SIMION 7.0 at the same time or have SIMION 7.0 run in the background while running other Windows programs.**
- **Full support of Win32's virtual memory (2 Gigabytes!).**
- **Larger Arrays**
- **Faster Calculations**
- **Long file name support.**
- **Data Arrays in User Programming.**
- **Three new options on the Modify screen.**

Additional SIMION 7.0 Features

- Very fast ion flying between instances.
- Asymmetrical Scaling in 2D view.
- More control over Viewing, Recording, Saving, and Rerunning trajectories.
- Windows Metafile support.
- Selective display of adjustable variables.
- Windows clipboard support for both text and Graphics.
- File name display in View and Modify.
- Manual Resizing of the Data Monitor Display.
- Displaying and Recording of Instance Parameters.
- Relative uses of the Where button.
- New Vector Clipping in View.
- New data structure in .ION files.
- New Program Segments in User Programming.
- Autoloading of Ion Definitions and Data Recording files.
- New fast adjust file features - scaling of non-fast adjust electrodes in .PA# files.
- Potential range increased to +/- 10,000,000V .
- New commands for Geometry files.
- New updated manual.
- New Screen Fonts.
- Label positioning Panels.
- Line Drawing Characters.
- Annotation of Labels.
- Windows TrueType font support.
- Windows printer drivers
- Scalable Windows
- Windows Clipboard
- Run multiple Executables
- More Controls
- New Functions



Visit the SIS™ Web Site for

- Application Notes
- Demos
- System Requirements

Academic, Government, and Upgrade Pricing Available

Home Page:

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