

5.0 Geometry Files: Creating a geometry file from scratch

Files: C:\Advanced SIMION Class\05. 2D and 3D Projections\Einzel lab

Creating a geometry file for an EINZEL lens

A geometry file for an einzel lens will be created.

No After Installation Files Need to be Created

1. Remove all PAs From RAM
2. Load the EINZEL.PA# array with Load
3. Look at the electrode definitions with Modify.
4. Write down, on paper, the image of a geometry file that would create the einzel array. Try to include the proper PA_Define if you can. Seek the assistance of an instructor as necessary.
5. Remove all PAs from Ram. Use New with the Use Geometry files button to access the file manager. Click the Edit button to access EDY.
6. Name the file EINZEL.GEM with EDY (keystrokes: **Esc N EINZEL.GEM** then **ENTER**)
7. Enter the contents into the file from the keyboard.
8. Now Let's save the file (Esc, S, Enter), alt tab back to the Geometry definition screen and Select and use this file as the geometry file (Click both buttons on the EINZEL.GEM file's button).
10. If all is OK the array will be created. If not, you will be informed.
11. In any event, enter modify and see what you created.
12. Click the GeomF button to begin to change or fix your geometry definitions

13. If you want to see a successful example, look at the EINZEL1.GEM file.