

12.b Ion Jumping Tricks

- Ion jumping tricks can be very useful
 - Jumping between symmetries
 - Non-ideal grid simulations
 - ?
- Other_Actions program segments are used to jump the ions.



Symmetry Jump Example

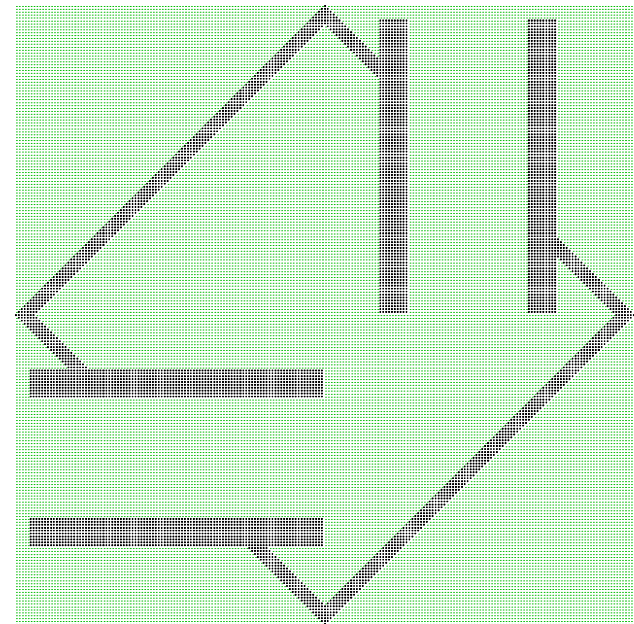
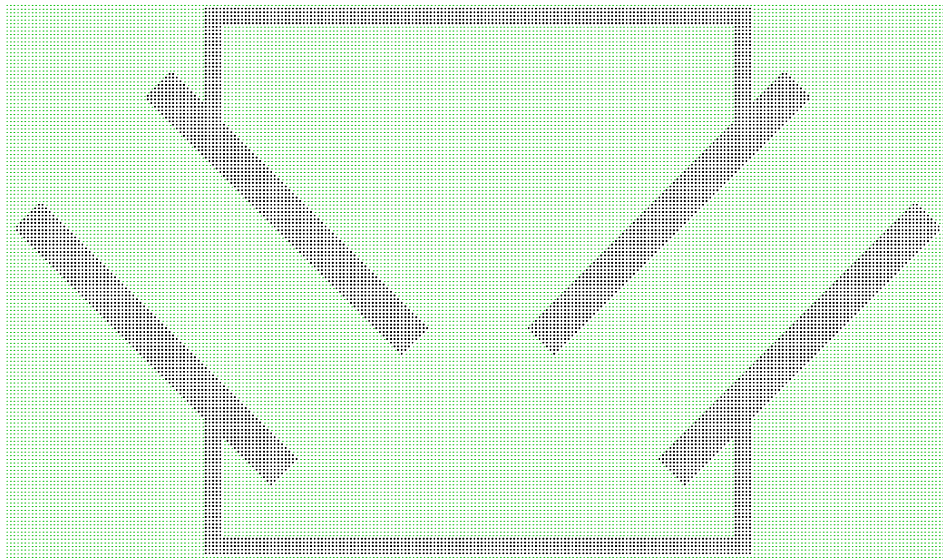
- Problem: Non-ninety degree housing symmetry causes unwanted jags near some surfaces.
- Solution: Create two or more housings with array orientations appropriate for portions of flight.

Then jump ions between housings.



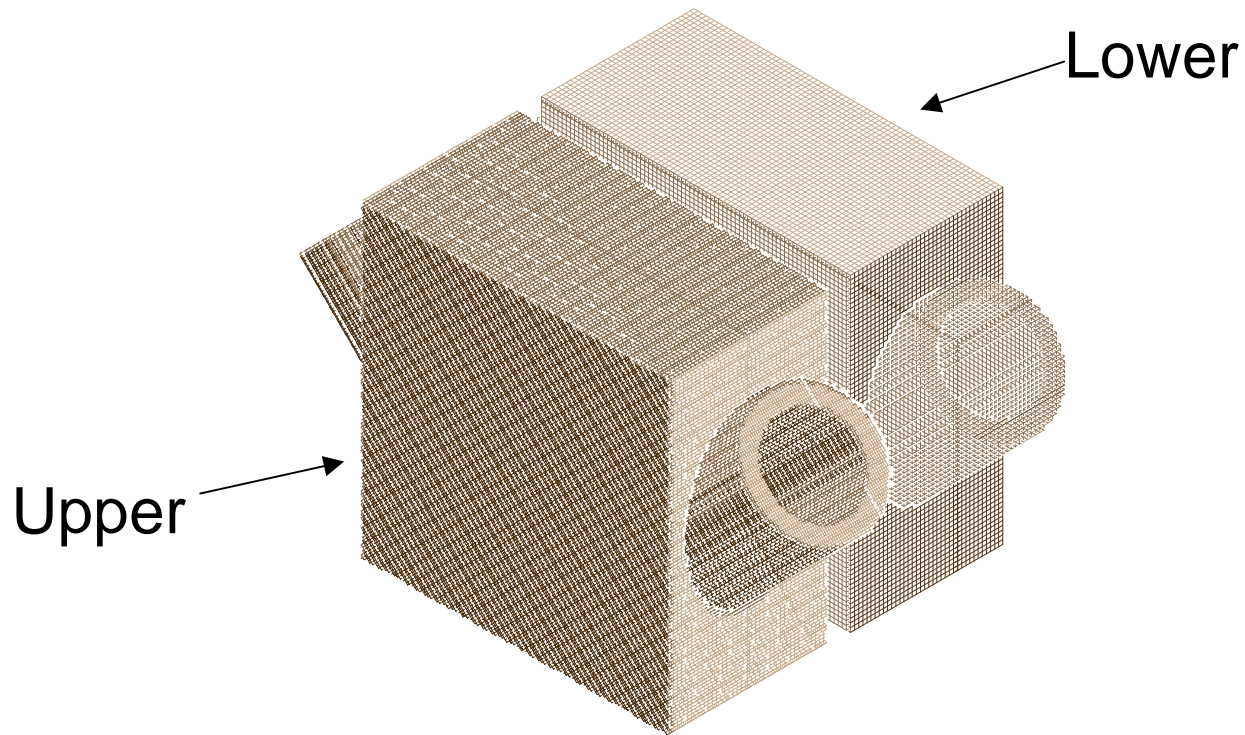
Create Housings with GEM

- Each housing is orientated differently



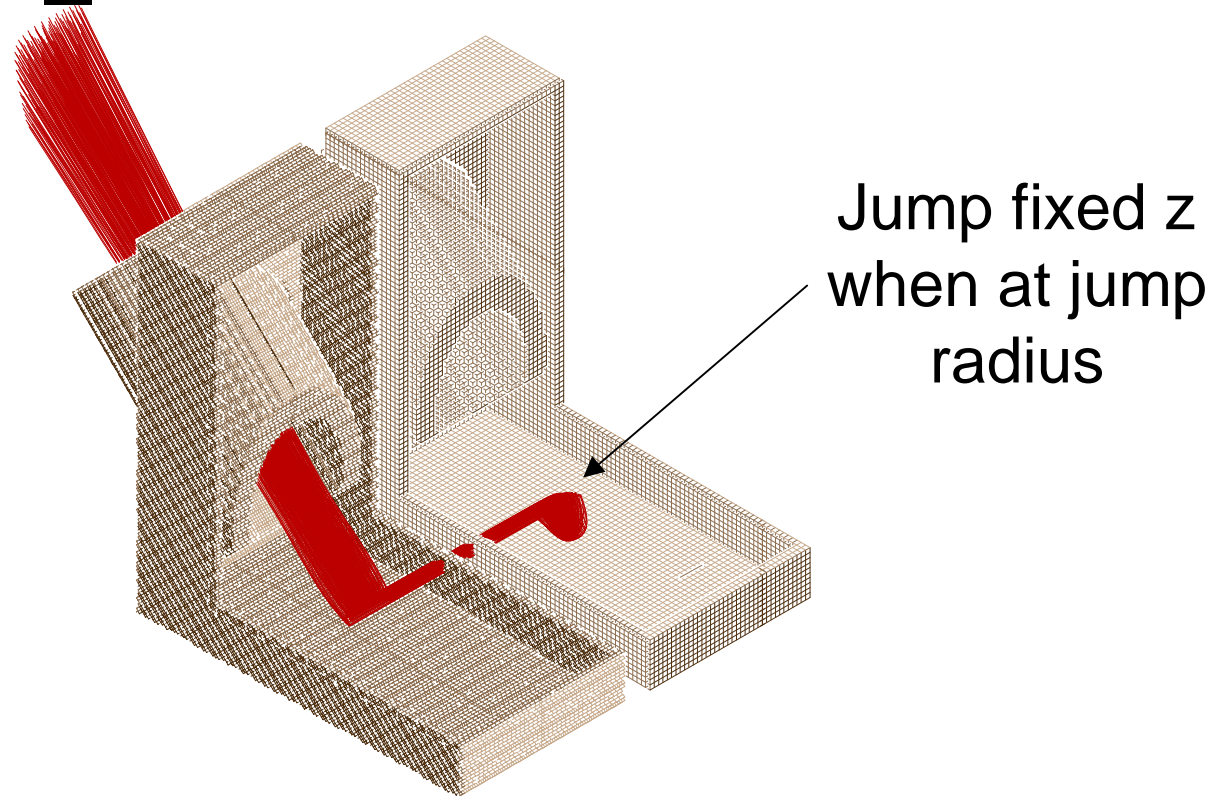
Project Housings

- Shift Housings in z and orient properly



Jump Ions Between Housings

- Use Other_Actions and radius criteria



For Detailed Information



- See Symmetry Jump Demo in user program reference section.

