



Possibile Extensions

- •Define several surface groups for the S/C with:
- •Different materials properties or;
- •Different potentials and electric nodes.
- •Add a source of secondary particles on one of the hemispheres. •Play with the S/C capacitance (C_{sat}) to study the charging dynamic.
- •Switch the Maxwelian plasma model into a full PIC model (CAUTION: this can be lead to long simulations runs).
- •Switch the S/C potential into fixed mode at a positively potential.
- •Change the plasma parameters (density, temperature).

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•Define a new geometrical model "from scratch" with Gmsh.

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