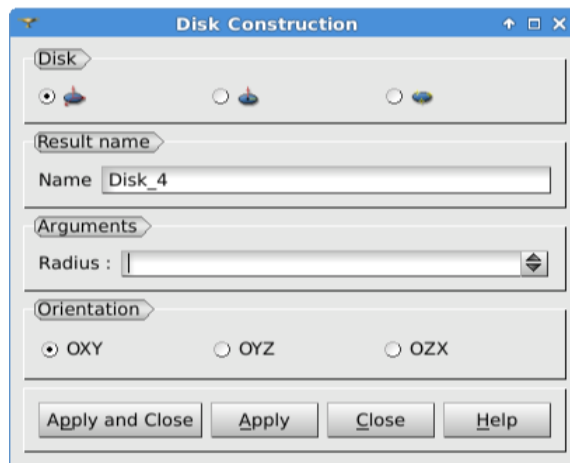




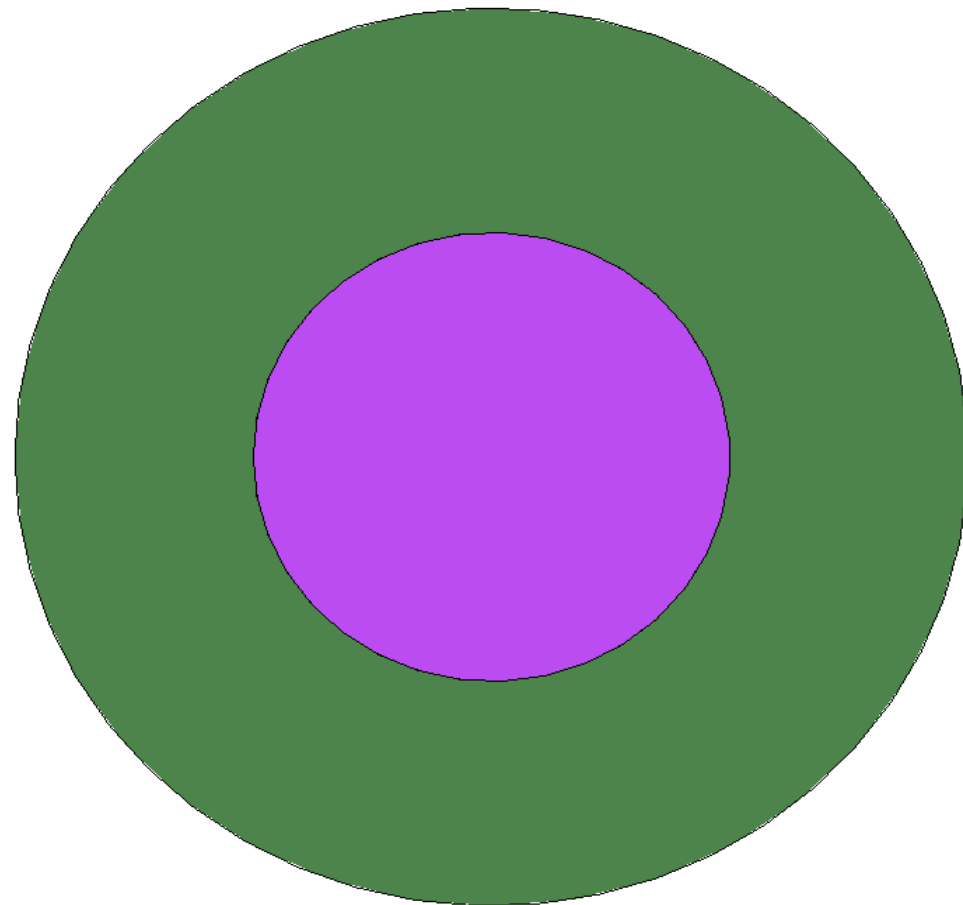
Eddy Currents 2D

El proyecto CloudPYME (id: 0682_CLOUDPYME2_1_E) está cofinanciado por la Comisión Europea a través de el Fondo Europeo de Desarrollo Regional (FEDER), dentro de la tercera convocatoria de proyectos del Programa Operativo de Cooperación Transfronteriza España-Portugal 2007-2013 (POCTEP).

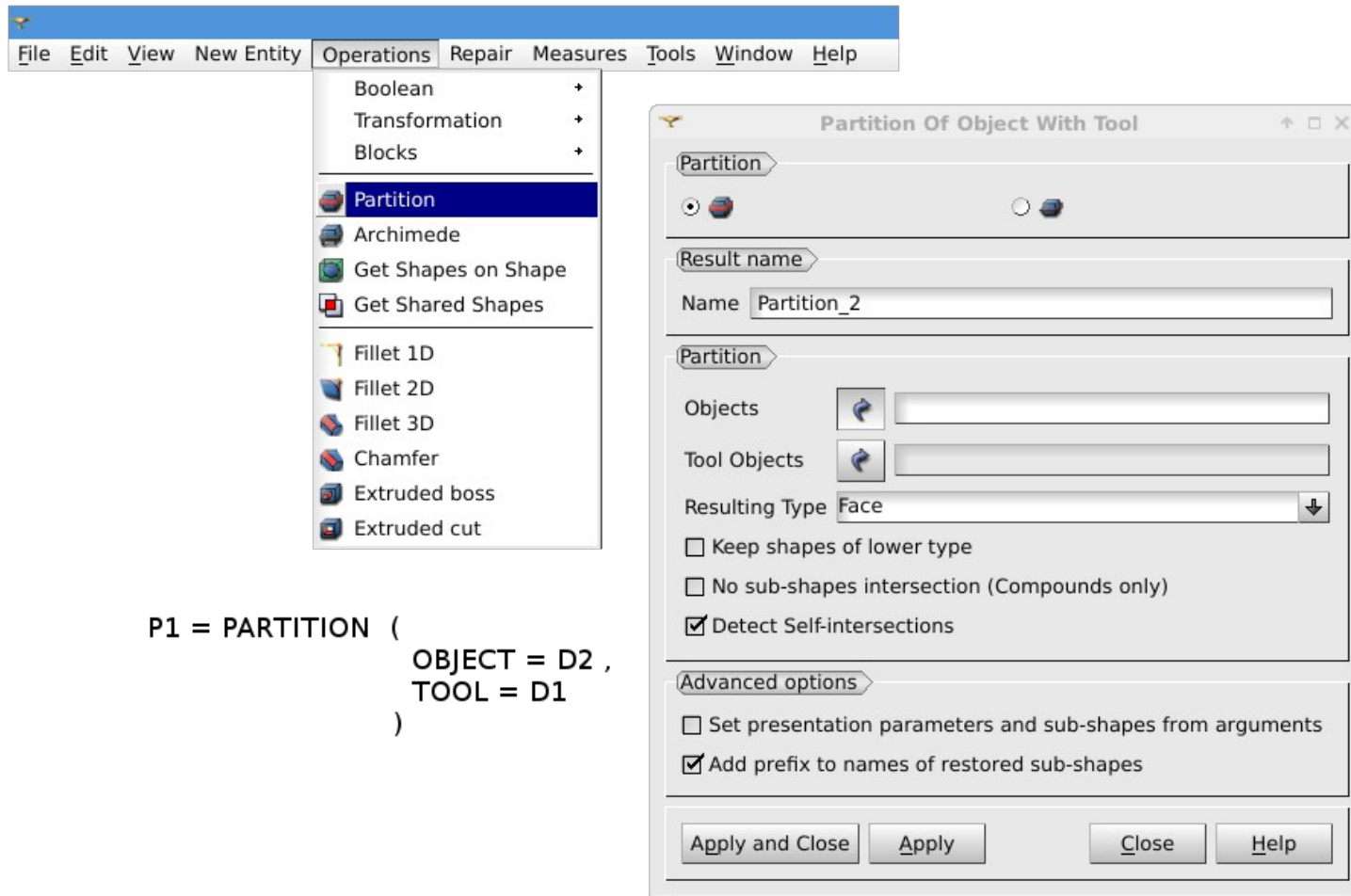
Eddy Currents 2D: Geometry



-  D1 = DISK(R=1.0 , OXY)
-  D2 = DISK(R=2.0 , OXY)



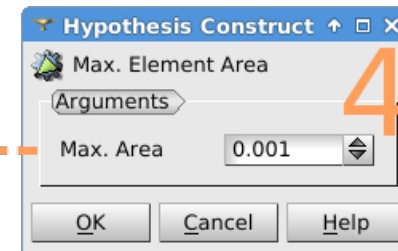
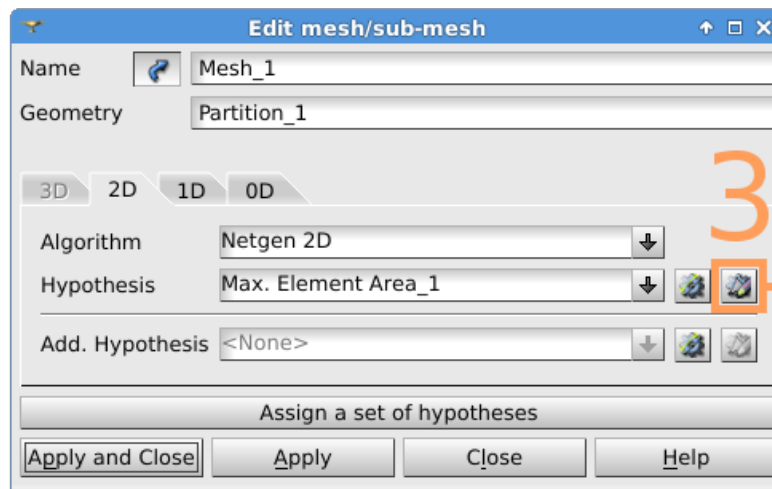
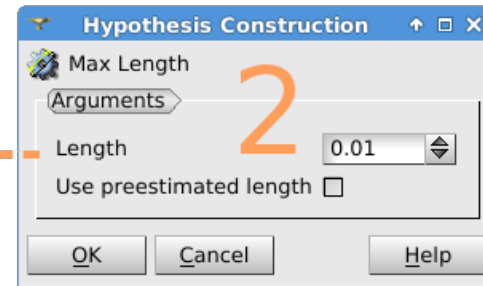
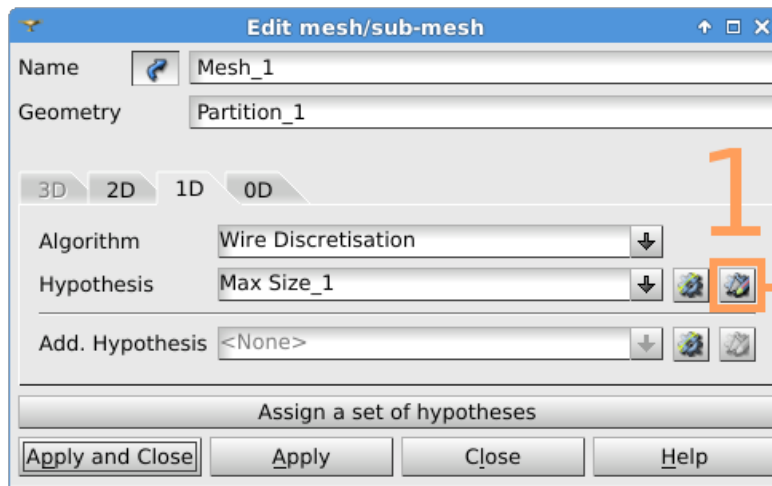
Eddy Currents 2D: Geometry



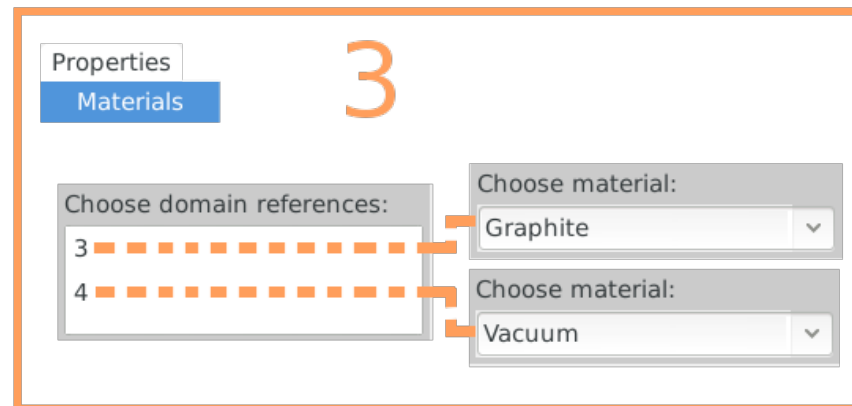
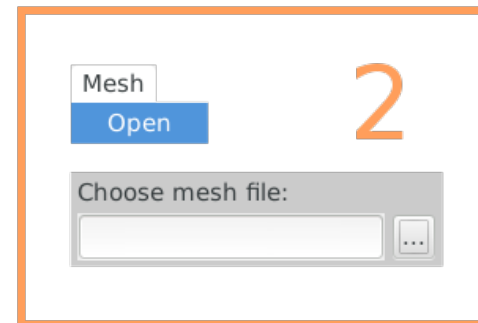
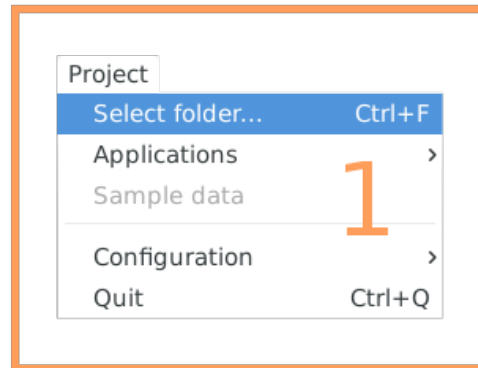
The screenshot shows a CAD software interface with a menu bar and a dialog box. The menu bar includes File, Edit, View, New Entity, Operations, Repair, Measures, Tools, Window, and Help. The 'Operations' menu is open, showing options like Boolean, Transformation, Blocks, Partition, Archimede, Get Shapes on Shape, Get Shared Shapes, Fillet 1D, Fillet 2D, Fillet 3D, Chamfer, Extruded boss, and Extruded cut. The 'Partition' option is highlighted. The 'Partition Of Object With Tool' dialog box is open, showing a 'Partition' section with a preview area, a 'Result name' section with a text field containing 'Partition_2', and another 'Partition' section with 'Objects' and 'Tool Objects' fields, a 'Resulting Type' dropdown set to 'Face', and several checkboxes: 'Keep shapes of lower type', 'No sub-shapes intersection (Compounds only)', and 'Detect Self-intersections' (checked). An 'Advanced options' section contains 'Set presentation parameters and sub-shapes from arguments' (unchecked) and 'Add prefix to names of restored sub-shapes' (checked). At the bottom are buttons for 'Apply and Close', 'Apply', 'Close', and 'Help'.

P1 = PARTITION (OBJECT = D2 , TOOL = D1)

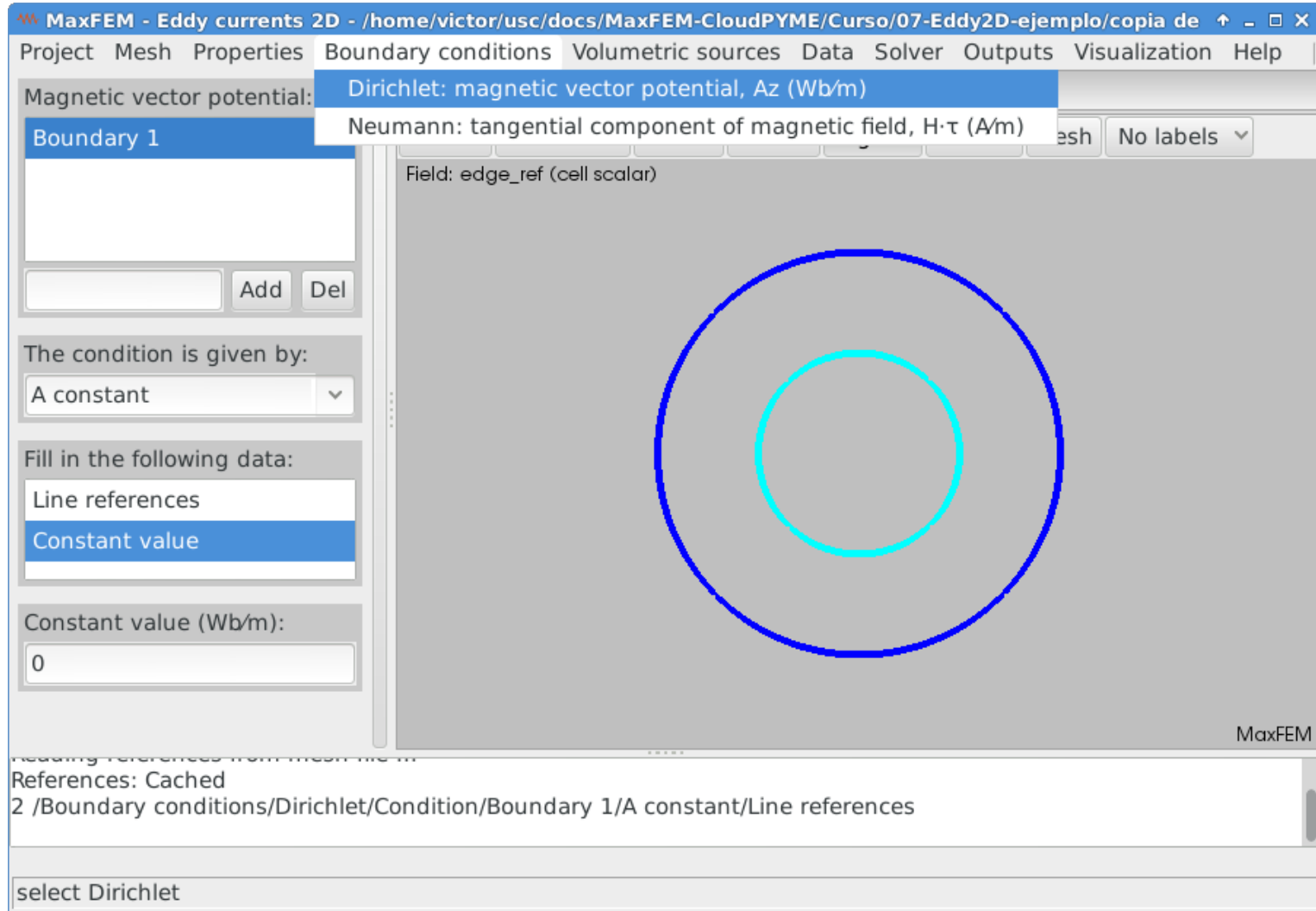
Eddy Currents 2D: Mesh



Eddy Currents 2D: MaxFEM



Magnetostatics 2D: MaxFEM



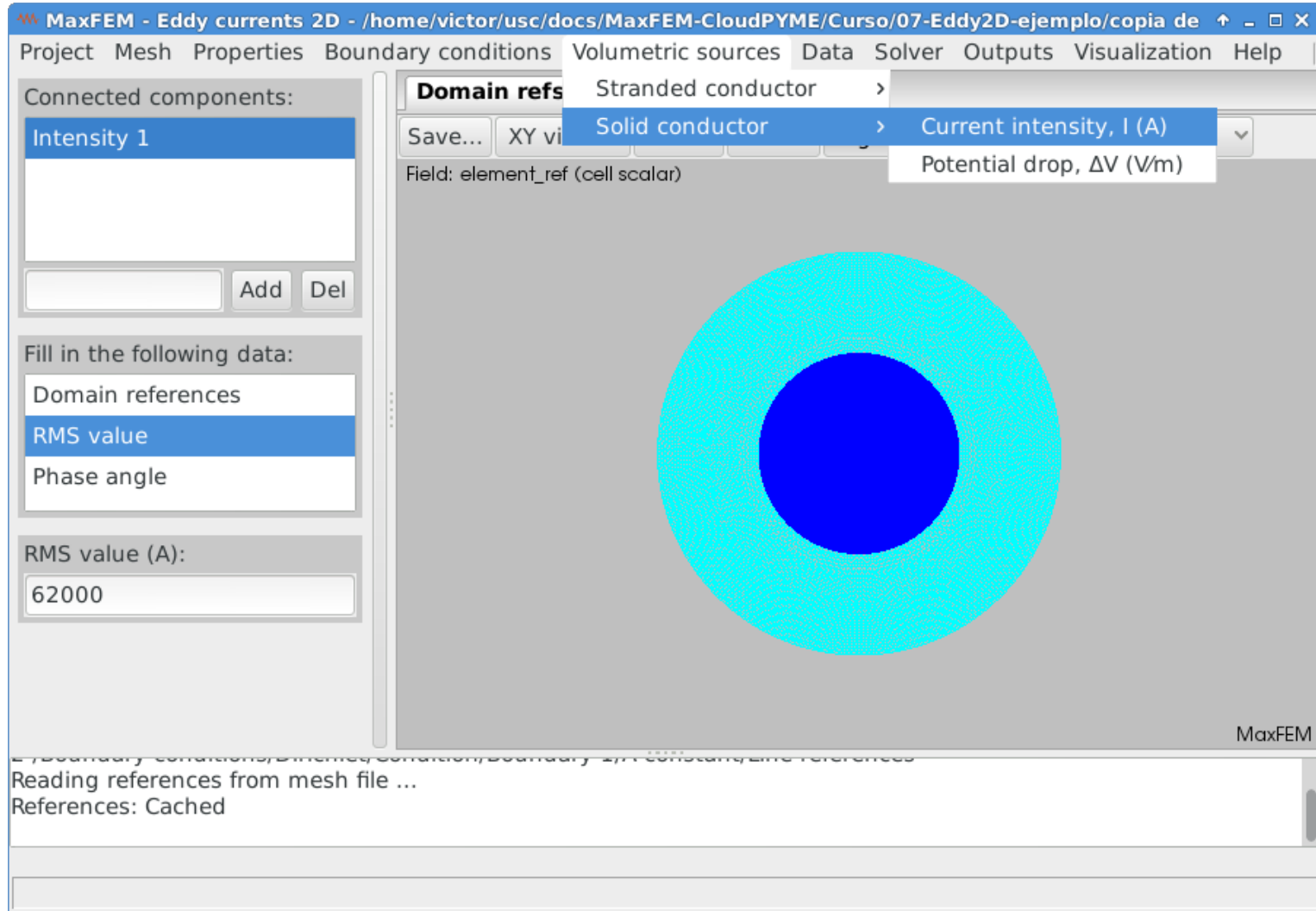
The screenshot shows the MaxFEM software interface for configuring boundary conditions. The main window displays a 2D domain with two concentric circles: an inner cyan circle and an outer blue circle. The software is currently configuring a boundary condition for the outer blue circle, labeled 'Boundary 1'.

Boundary Condition Configuration:

- Magnetic vector potential:** Dirichlet: magnetic vector potential, A_z (Wb/m)
- Boundary 1:** Neumann: tangential component of magnetic field, $H \cdot \tau$ (A/m)
- The condition is given by:** A constant
- Fill in the following data:** Constant value
- Constant value (Wb/m):** 0

The visualization area shows the field: edge_ref (cell scalar). The status bar at the bottom indicates 'References: Cached' and provides the path: '2 /Boundary conditions/Dirichlet/Condition/Boundary 1/A constant/Line references'. A command prompt at the bottom shows 'select Dirichlet'.

Magnetostatics 2D: MaxFEM



Magnetostatics 2D: MaxFEM

