

Problem info

Problem type: Electrostatics

Geometry model class: Plane-Parallel

Problem database file names:

- Problem: *rg220.pbm*
- Geometry: *Rg220.mod*
- Material Data: *Rg220.des*
- Material Data 2 (library): *none*
- Electric circuit: *none*

Results taken from other problems:

- *none*

Geometry model

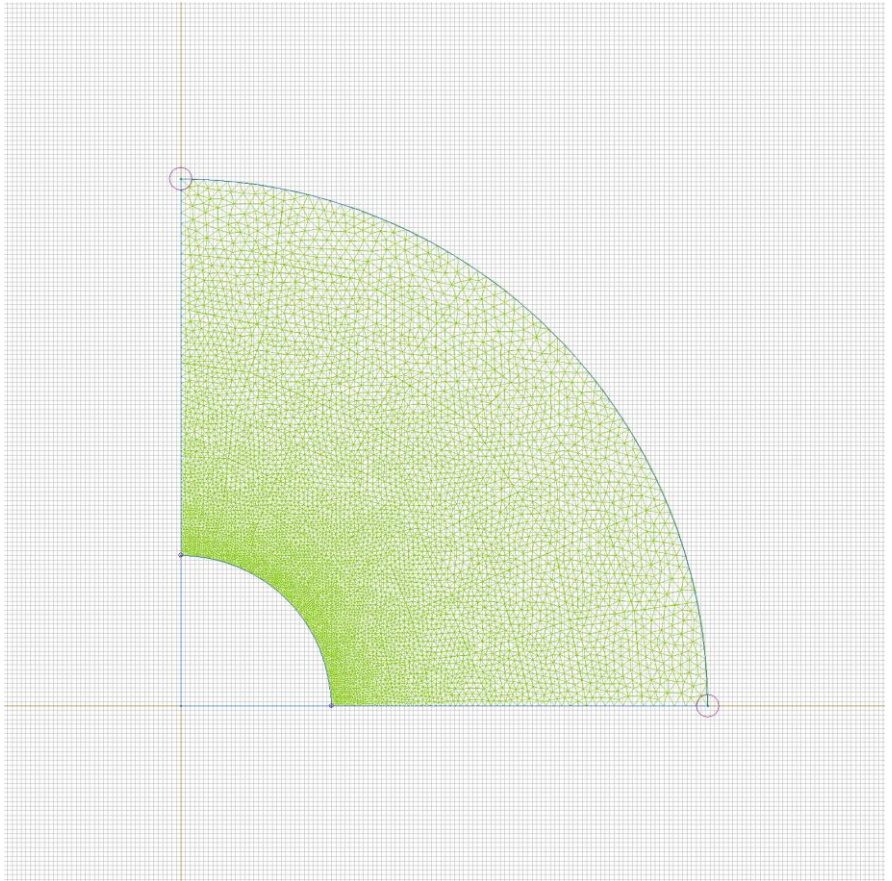


Table 1. Geometry model statistics

	With Label	Total
Blocks	1	2
Edges	2	6
Vertices	0	5

Number of nodes: 6498.

Labelled objects

There are following labelled objects in the geometry model (Material Data file could contain more labels, but only those labels that assigned to geometric objects are listed)

Blocks:

- [PE](#)
-

Edges:

- [HV](#)
- [Ground](#)
-

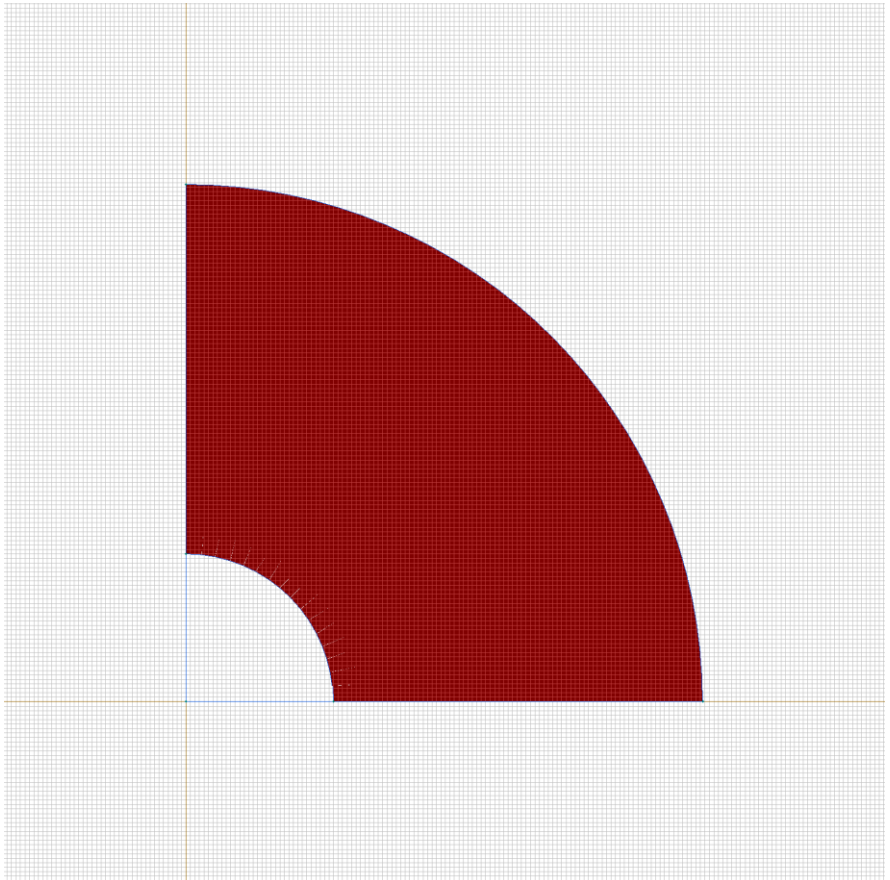
Vertices:

Detailed information about each label is listed below.

Labelled objects: block "PE"

There are (1) objects with this label

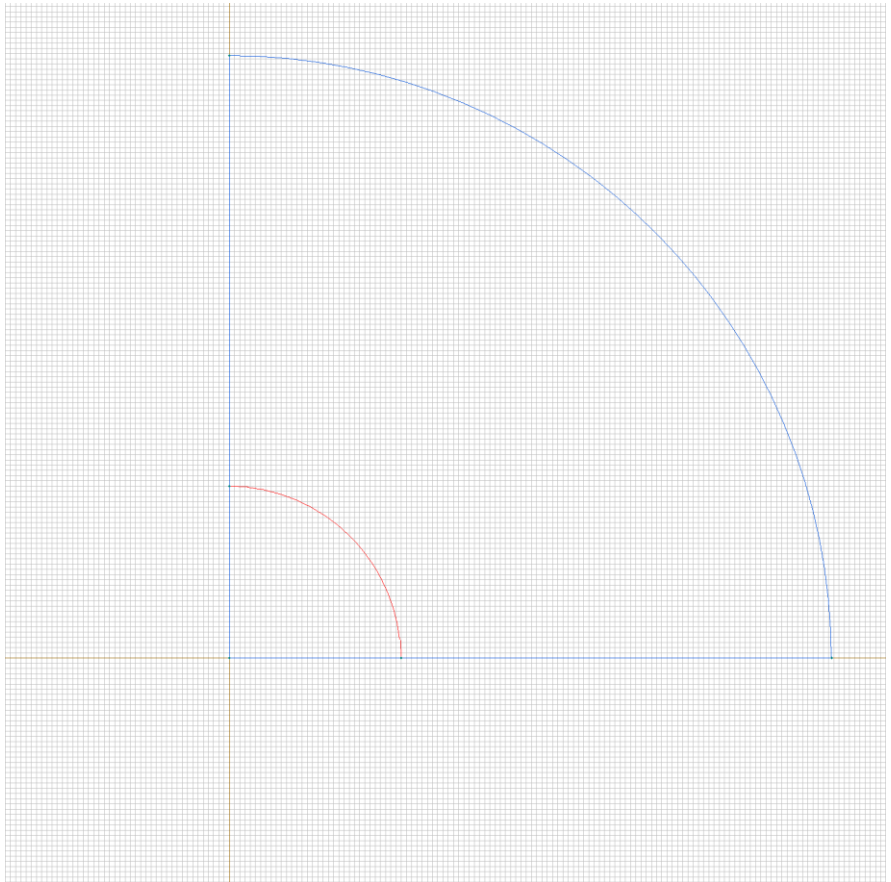
Relative electric permittivity $\epsilon_{x}=2.3$, $\epsilon_{y}=2.3$



Labelled objects: edge "HV"

There are (1) objects with this label

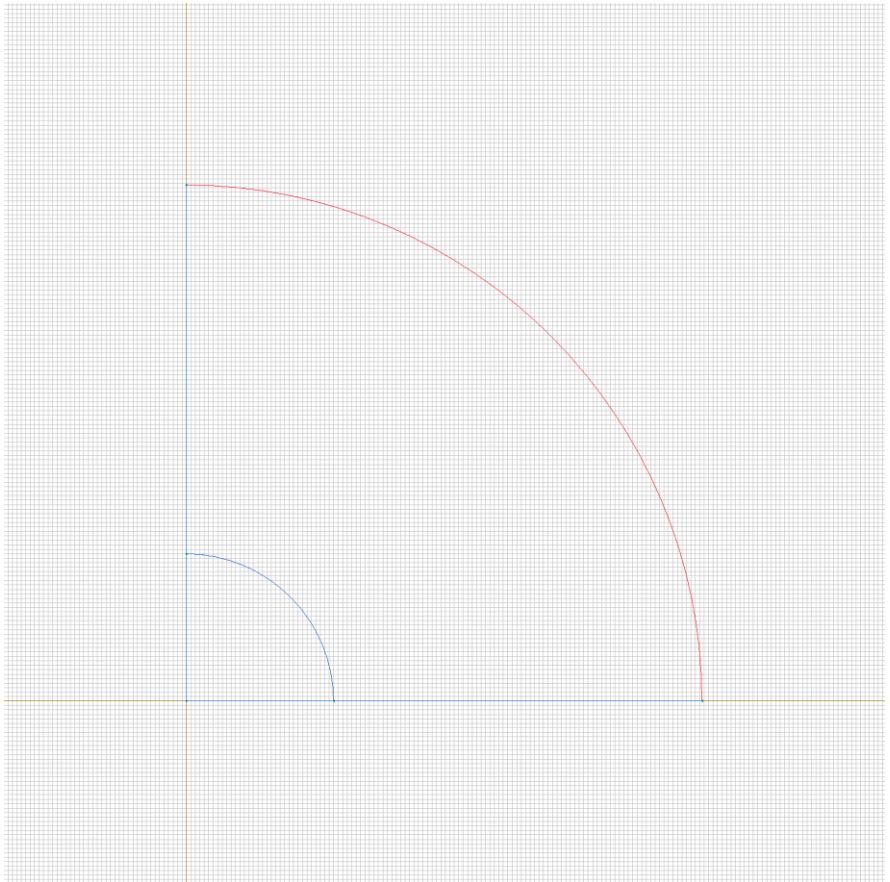
Voltage $U=35000$ [V]



Labelled objects: edge "Ground"

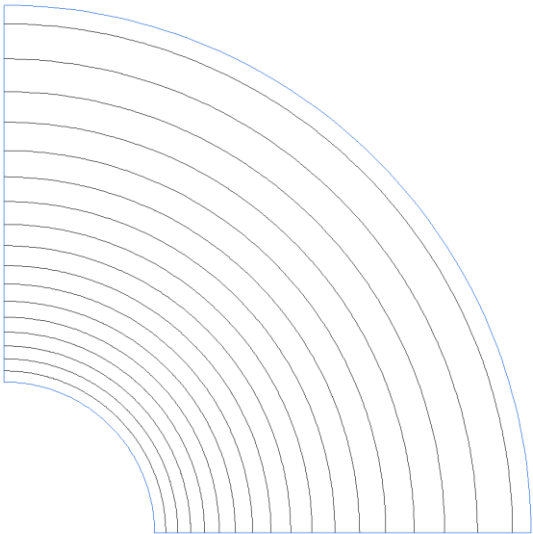
There are (1) objects with this label

Voltage $U=0$ [V]



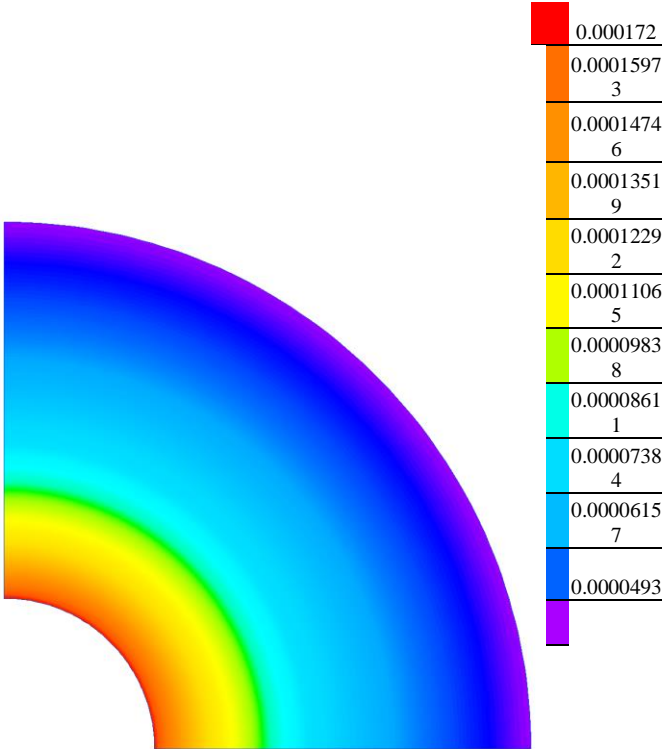
Results

Field lines



Results

Color map of Electric induction $|D|$ [C/m²]



Nonlinear dependencies

No non-linear dependencies are used in this problem data