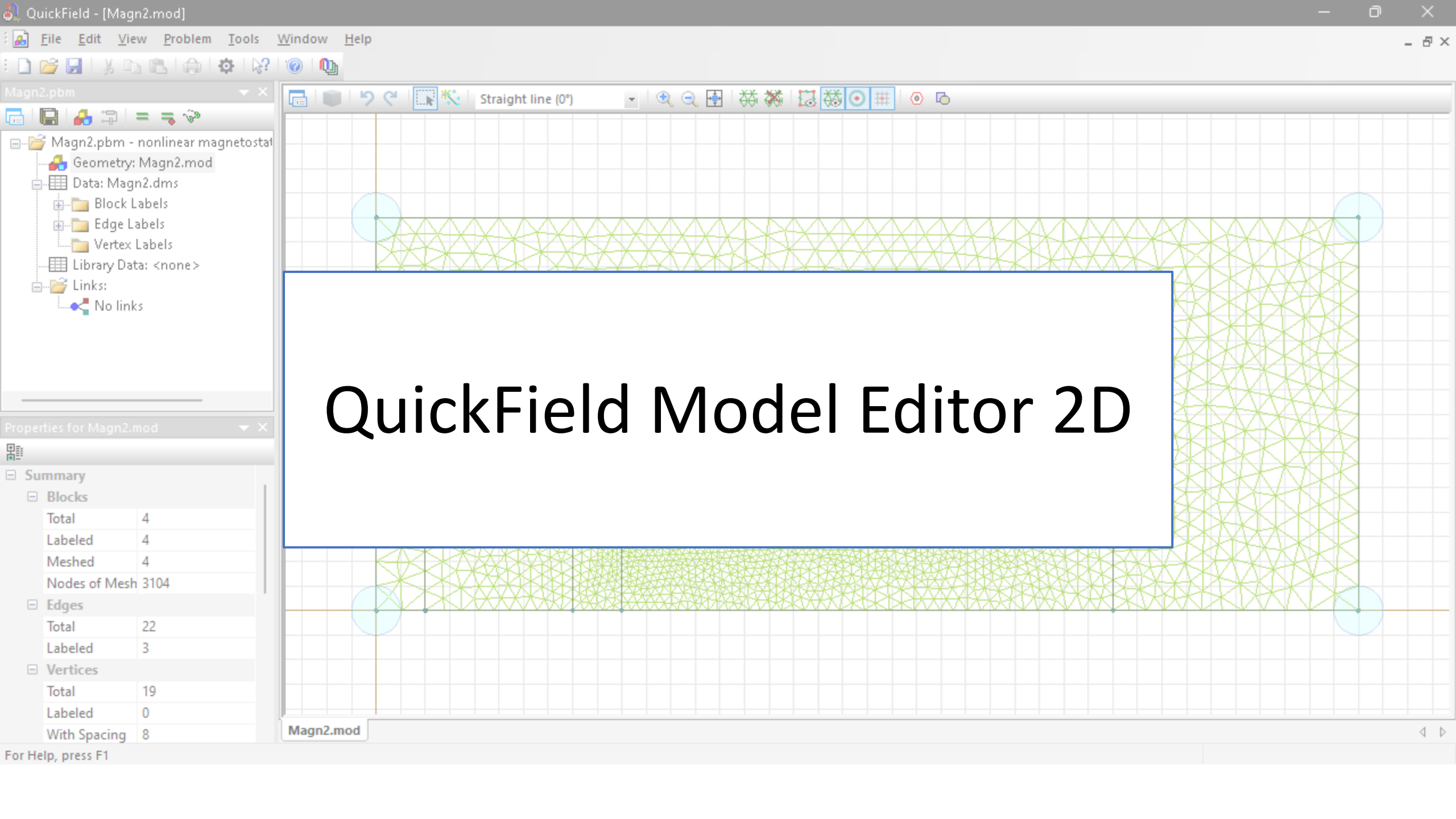
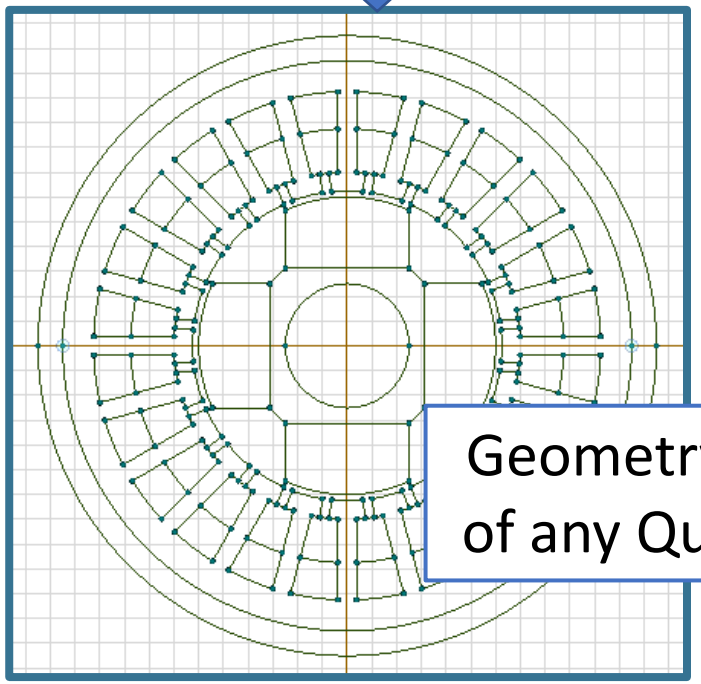
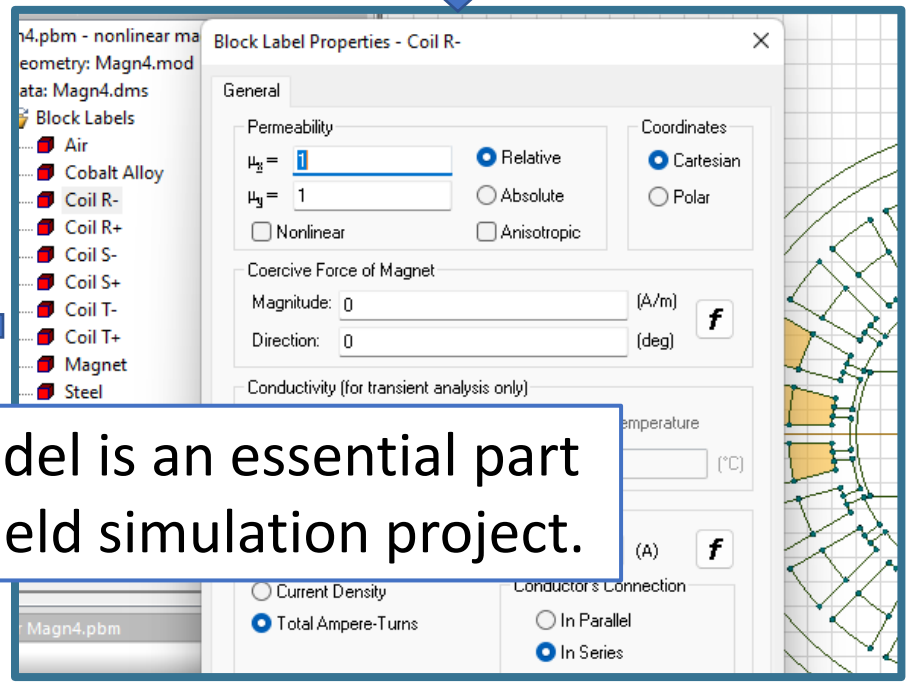

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 19
Labeled 0
With Spacing 8
Straight line (0°)
QuickField Model Editor 2D
Magn2.mod
For Help, press F1

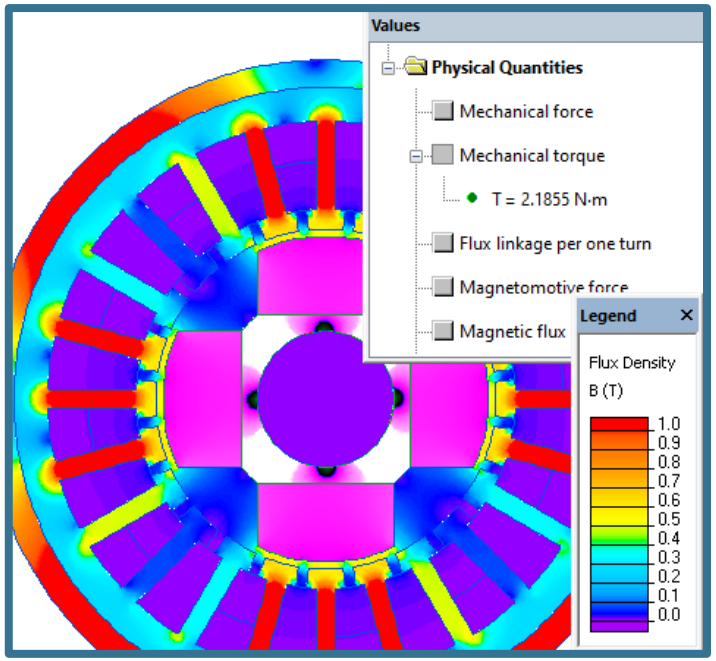
Problem setup



Model editor

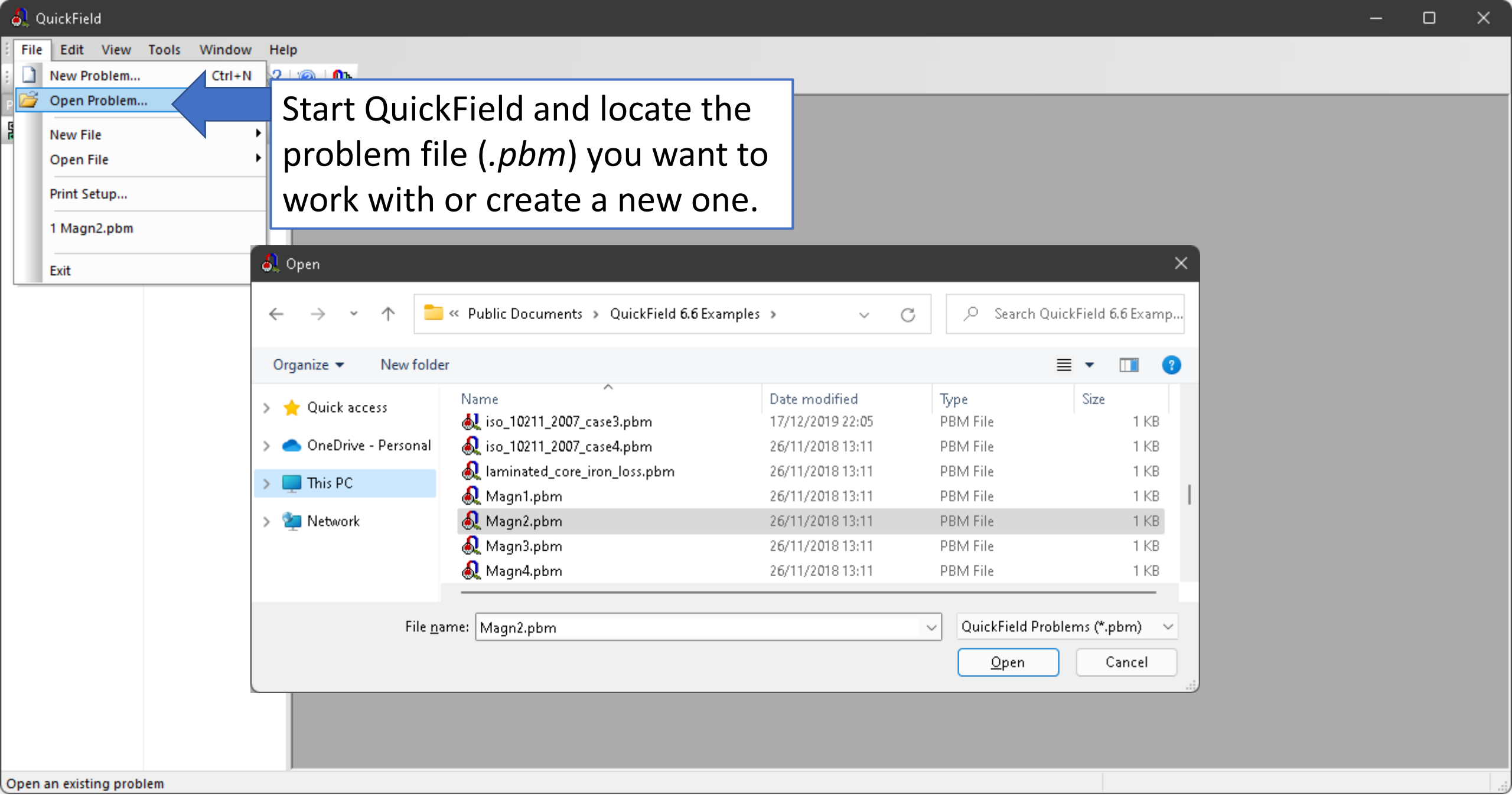


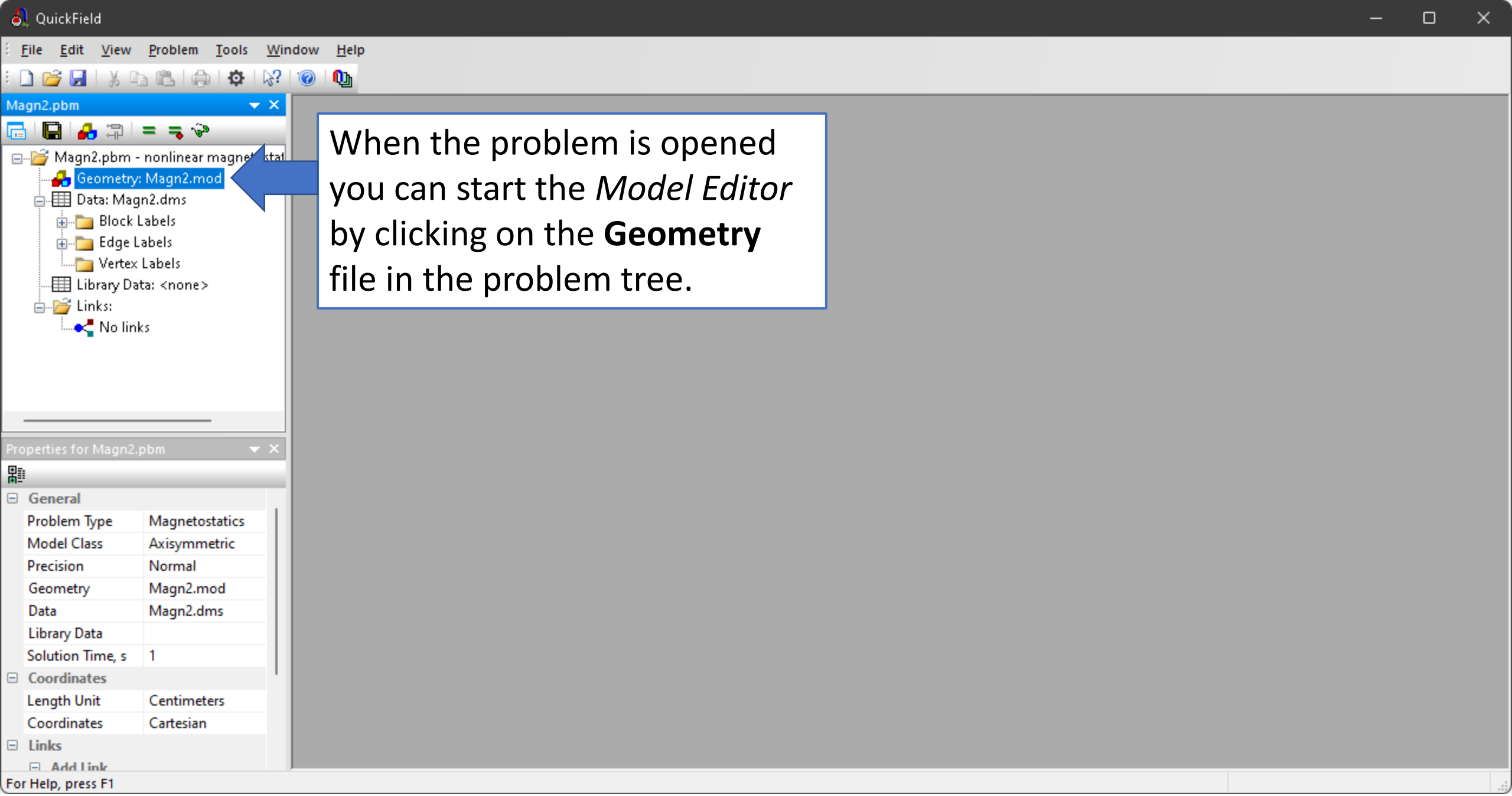
Material physical properties, field sources and boundary conditions

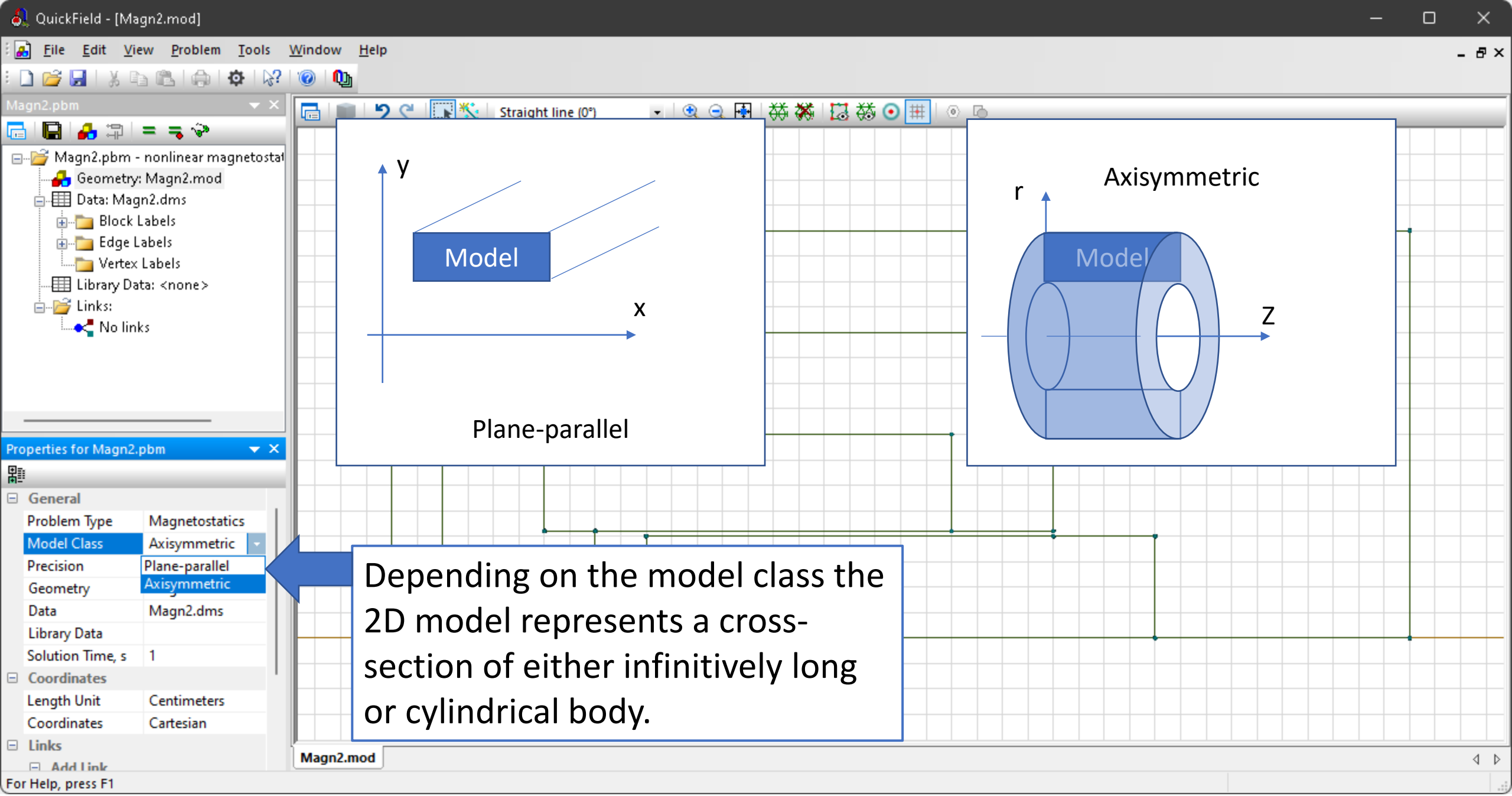


Results analysis

Geometry model is an essential part of any QuickField simulation project.


QuickField
File
Edit
View
Tools
Window
Help
New Problem... Ctrl+N
Open Problem...
New File
Open File
Print Setup...
1 Magn2.pbm
Exit
Start QuickField and locate the problem file (.pbm) you want to work with or create a new one.
Open
Public Documents › QuickField 6.6 Examples ›
Search QuickField 6.6 Examp...
Organize
New folder
Quick access
OneDrive - Personal
This PC
Network
Name
Date modified
Type
Size
iso_10211_2007_case3.pbm 17/12/2019 22:05 PBM File 1 KB
iso_10211_2007_case4.pbm 26/11/2018 13:11 PBM File 1 KB
laminated_core_iron_loss.pbm 26/11/2018 13:11 PBM File 1 KB
Magn1.pbm 26/11/2018 13:11 PBM File 1 KB
Magn2.pbm 26/11/2018 13:11 PBM File 1 KB
Magn3.pbm 26/11/2018 13:11 PBM File 1 KB
Magn4.pbm 26/11/2018 13:11 PBM File 1 KB
File name: Magn2.pbm
QuickField Problems (*.pbm)
Open
Cancel
Open an existing problem


QuickField
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
When the problem is opened you can start the *Model Editor* by clicking on the **Geometry** file in the problem tree.
Properties for Magn2.pbm
General
Problem Type Magnetostatics
Model Class Axisymmetric
Precision Normal
Geometry Magn2.mod
Data Magn2.dms
Library Data
Solution Time, s 1
Coordinates
Length Unit Centimeters
Coordinates Cartesian
Links
Add Link
For Help, press F1


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.pbm
General
Problem Type Magnetostatics
Model Class Axisymmetric
Precision Plane-parallel
Geometry Axisymmetric
Data Magn2.dms
Library Data
Solution Time, s 1
Coordinates
Length Unit Centimeters
Coordinates Cartesian
Links
Add Link
Straight line (0°)
y
x
Model
Plane-parallel
Axisymmetric
r
Z
Model
Depending on the model class the 2D model represents a cross-section of either infinitively long or cylindrical body.
Magn2.mod
For Help, press F1

QuickField - [Magn2.mod]

File Edit View Problem Tools Window Help

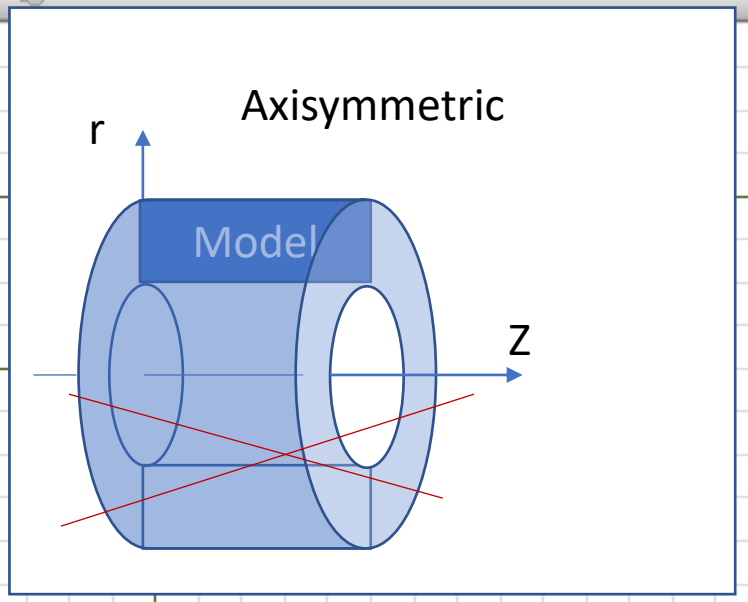
Magn2.pbm

Magn2.pbm - nonlinear magnetostat
- Geometry: Magn2.mod
- Data: Magn2.dms
  - Block Labels
  - Edge Labels
  - Vertex Labels
- Library Data: <none>
- Links:
  - No links

Properties for Magn2.pbm

General	
Problem Type	Magnetostatics
Model Class	Axisymmetric
Precision	Plane-parallel
Geometry	Axisymmetric
Data	Magn2.dms
Library Data	
Solution Time, s	1
Coordinates	
Length Unit	Centimeters
Coordinates	Cartesian
Links	
Add Link	

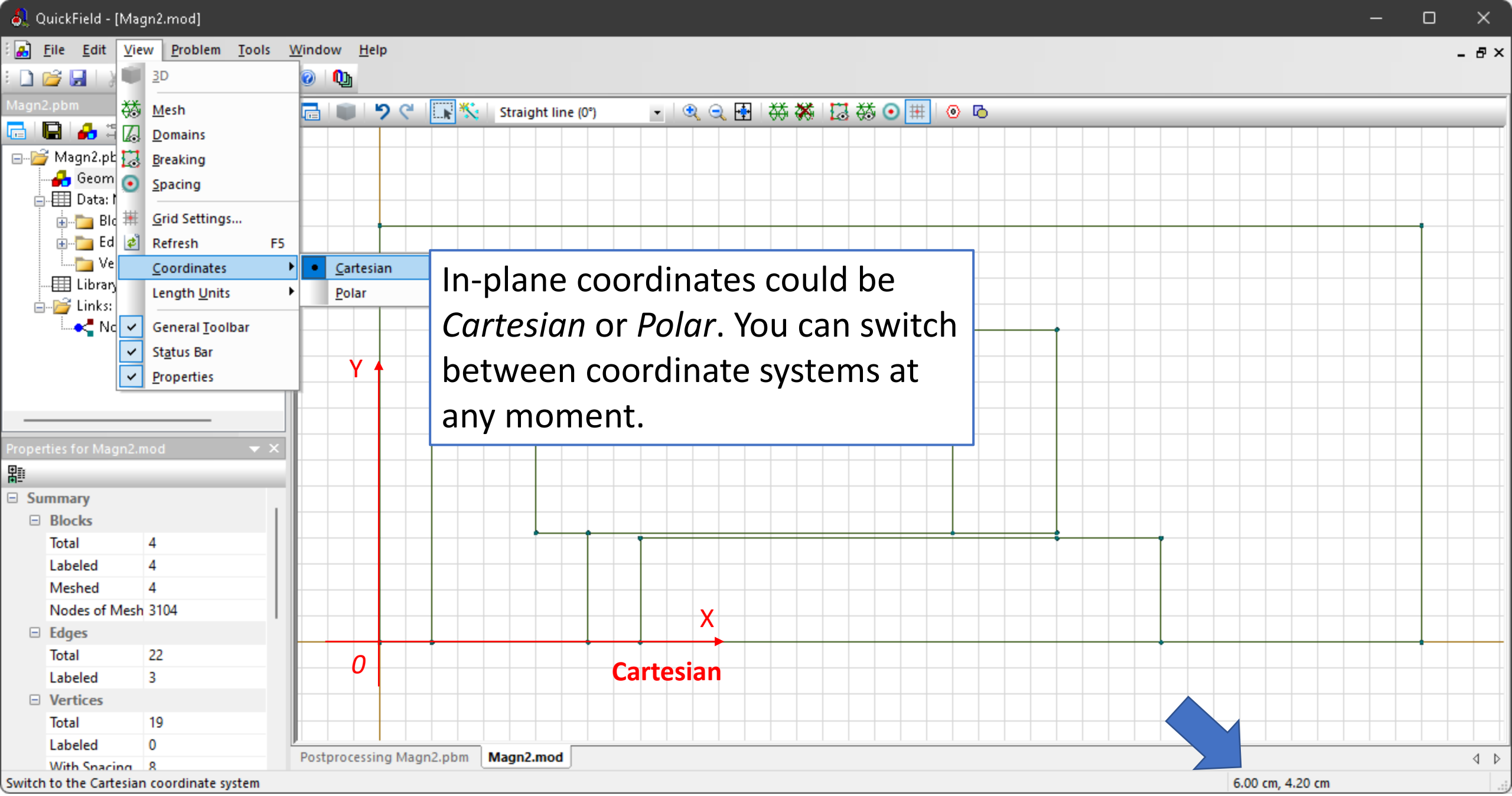
Straight line (0°)

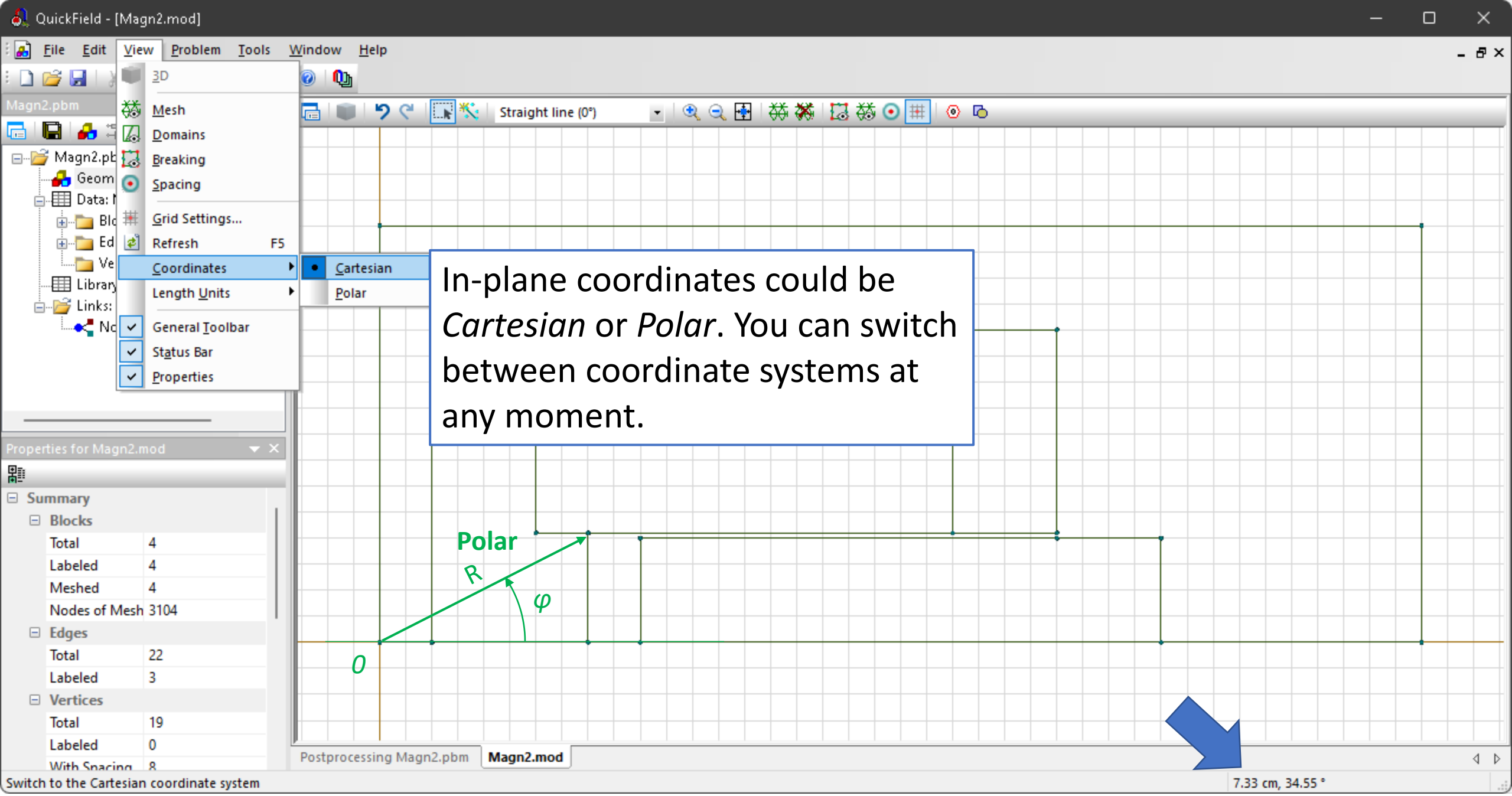


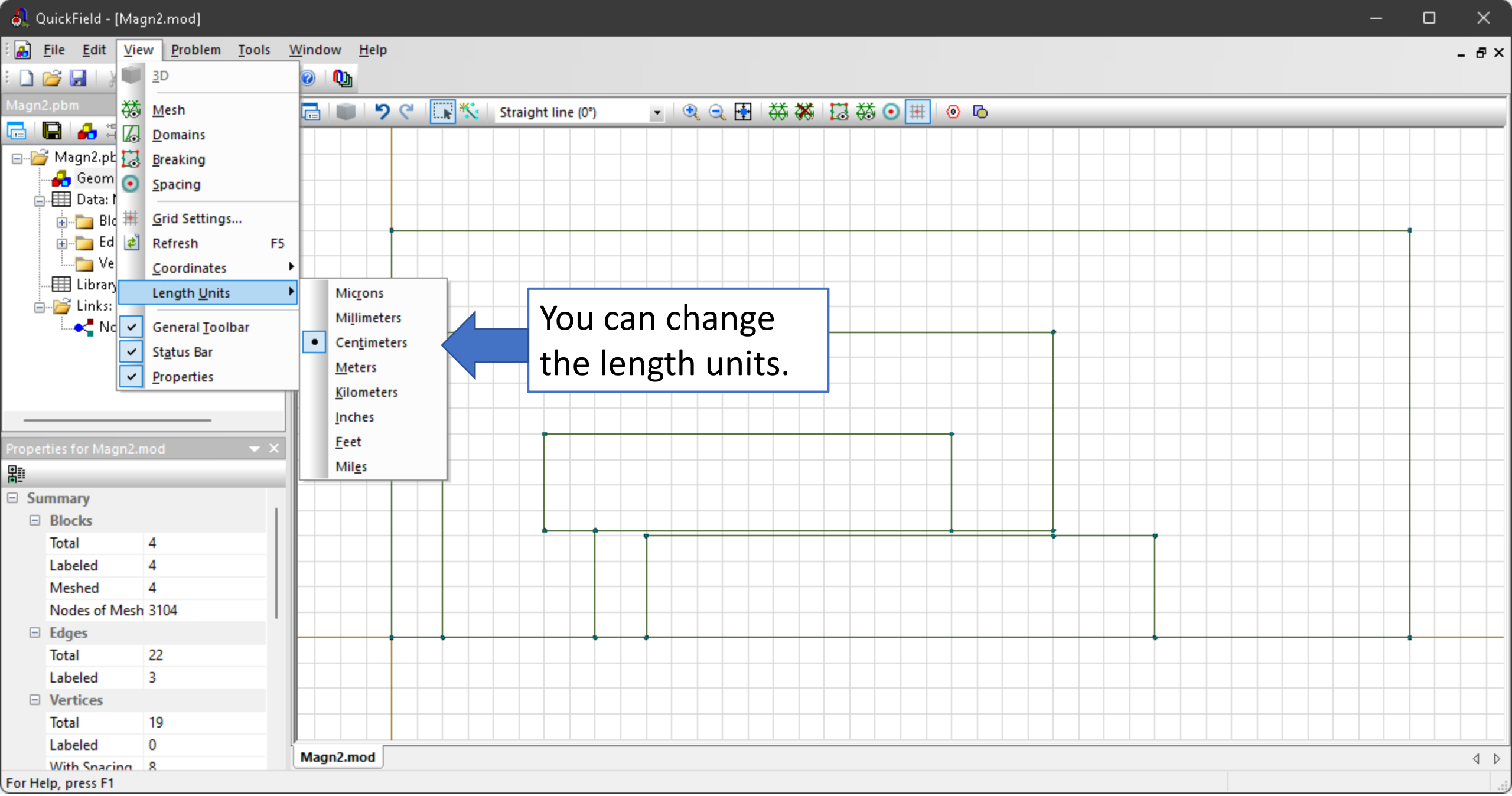
For *axisymmetric* model you should draw only upper half of the cross-section. Axis of the rotation is always horizontal.

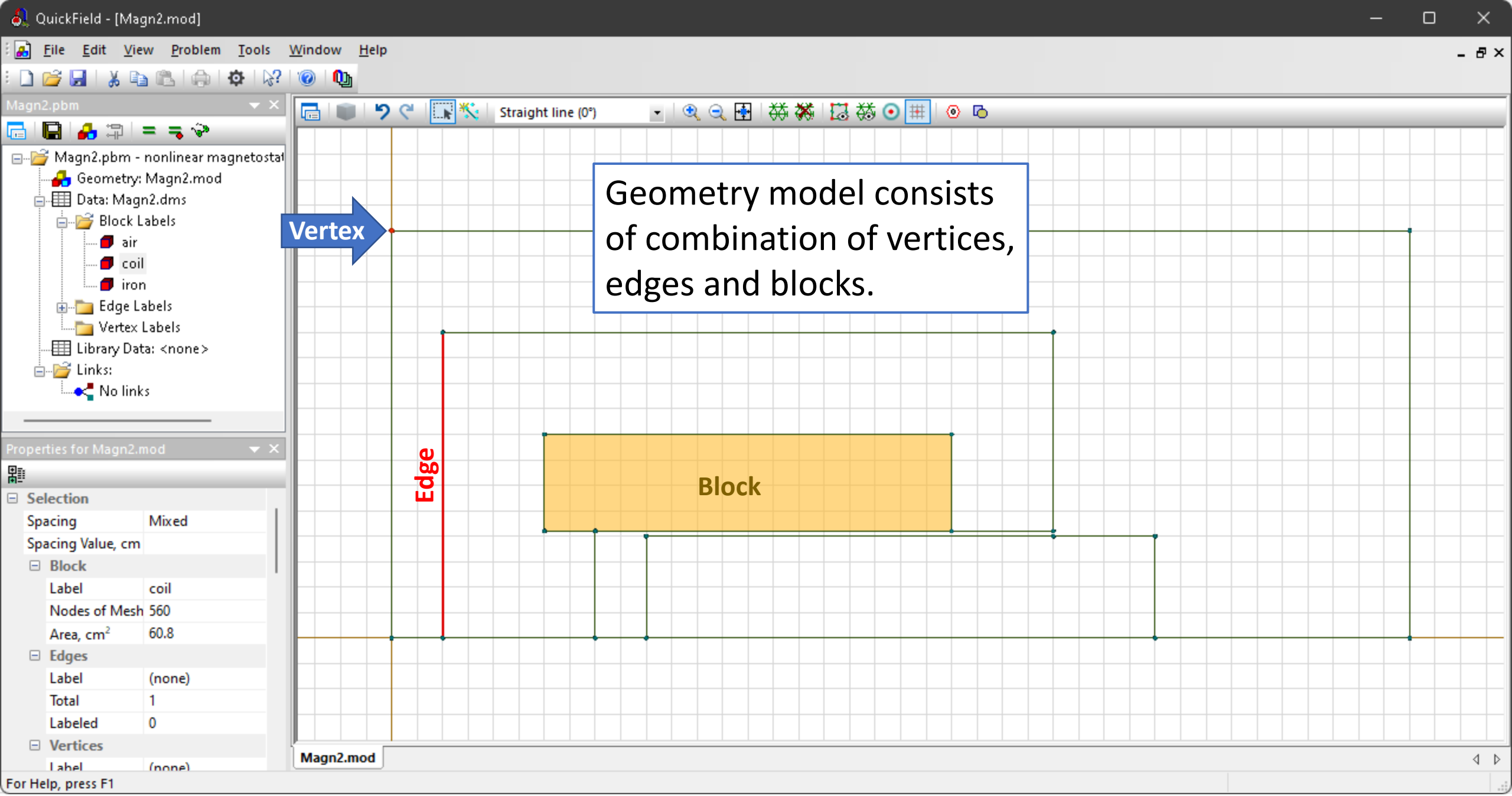
Magn2.mod

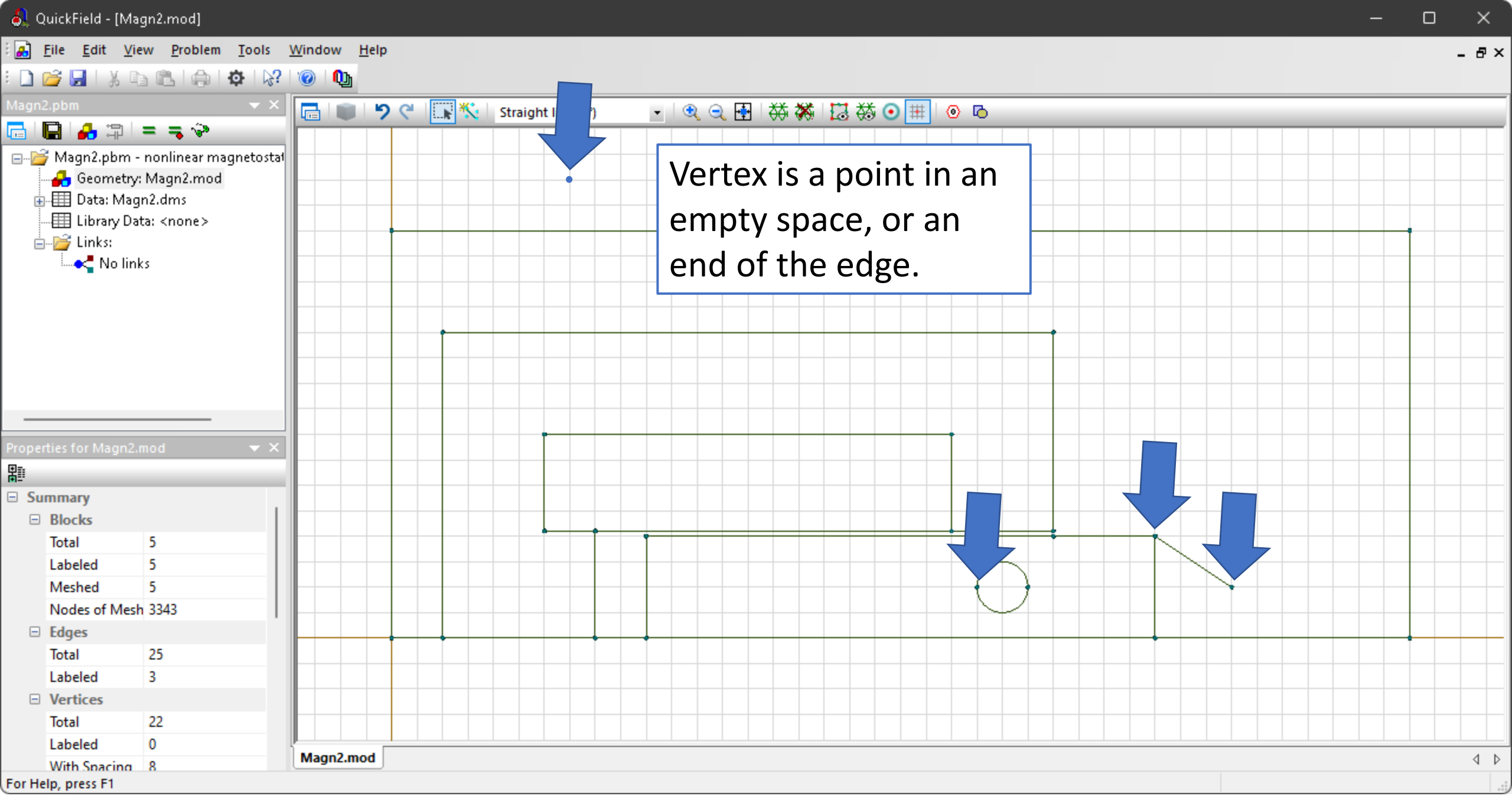
For Help, press F1

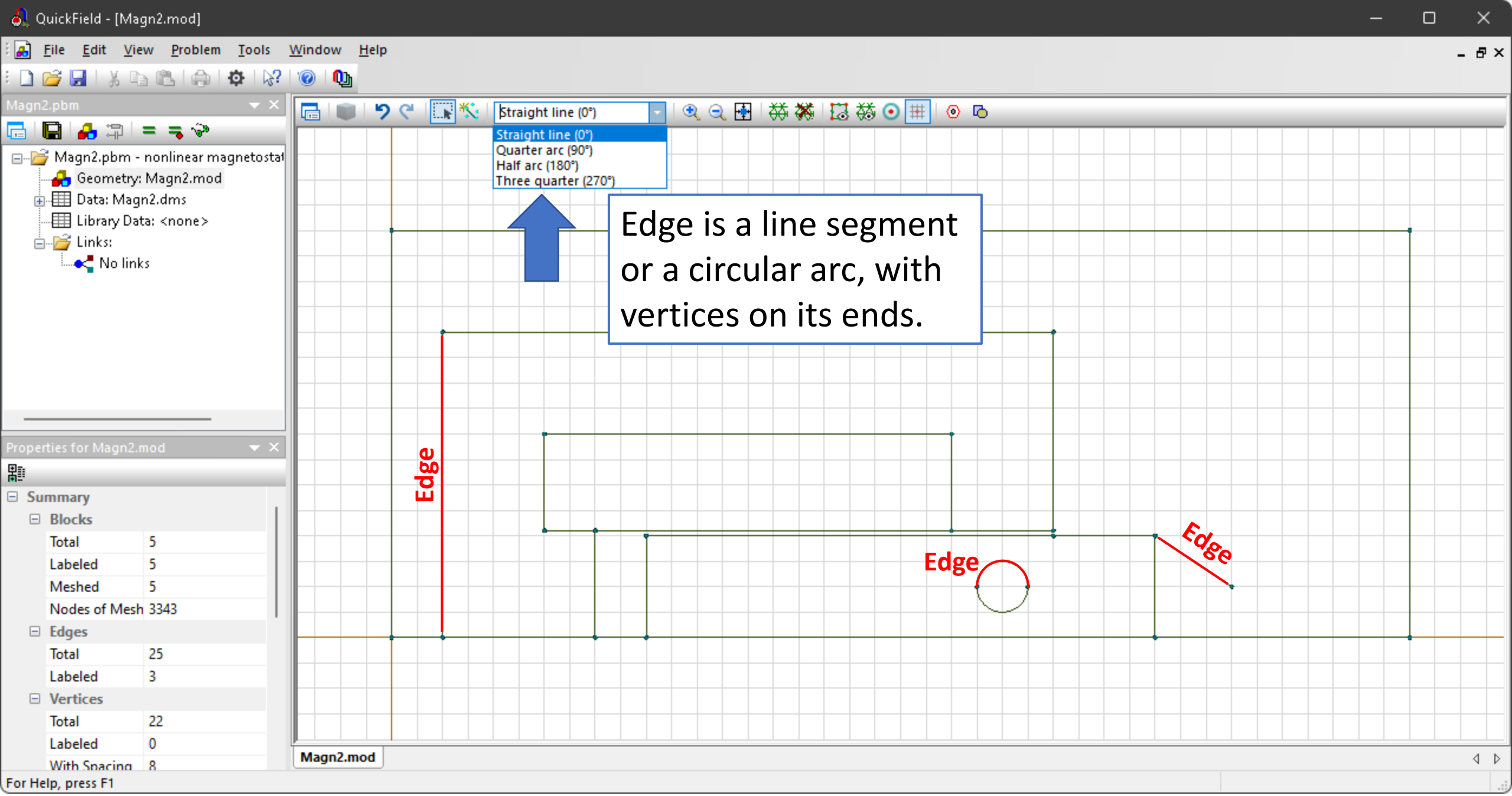

QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
3D
Mesh
Domains
Breaking
Spacing
Grid Settings...
Refresh F5
Coordinates
Length Units
General Toolbar
Status Bar
Properties
Cartesian
Polar
Straight line (0°)
In-plane coordinates could be *Cartesian* or *Polar*. You can switch between coordinate systems at any moment.
Y
X
0
Cartesian
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 19
Labeled 0
Postprocessing Magn2.pbm
Magn2.mod
Switch to the Cartesian coordinate system
6.00 cm, 4.20 cm

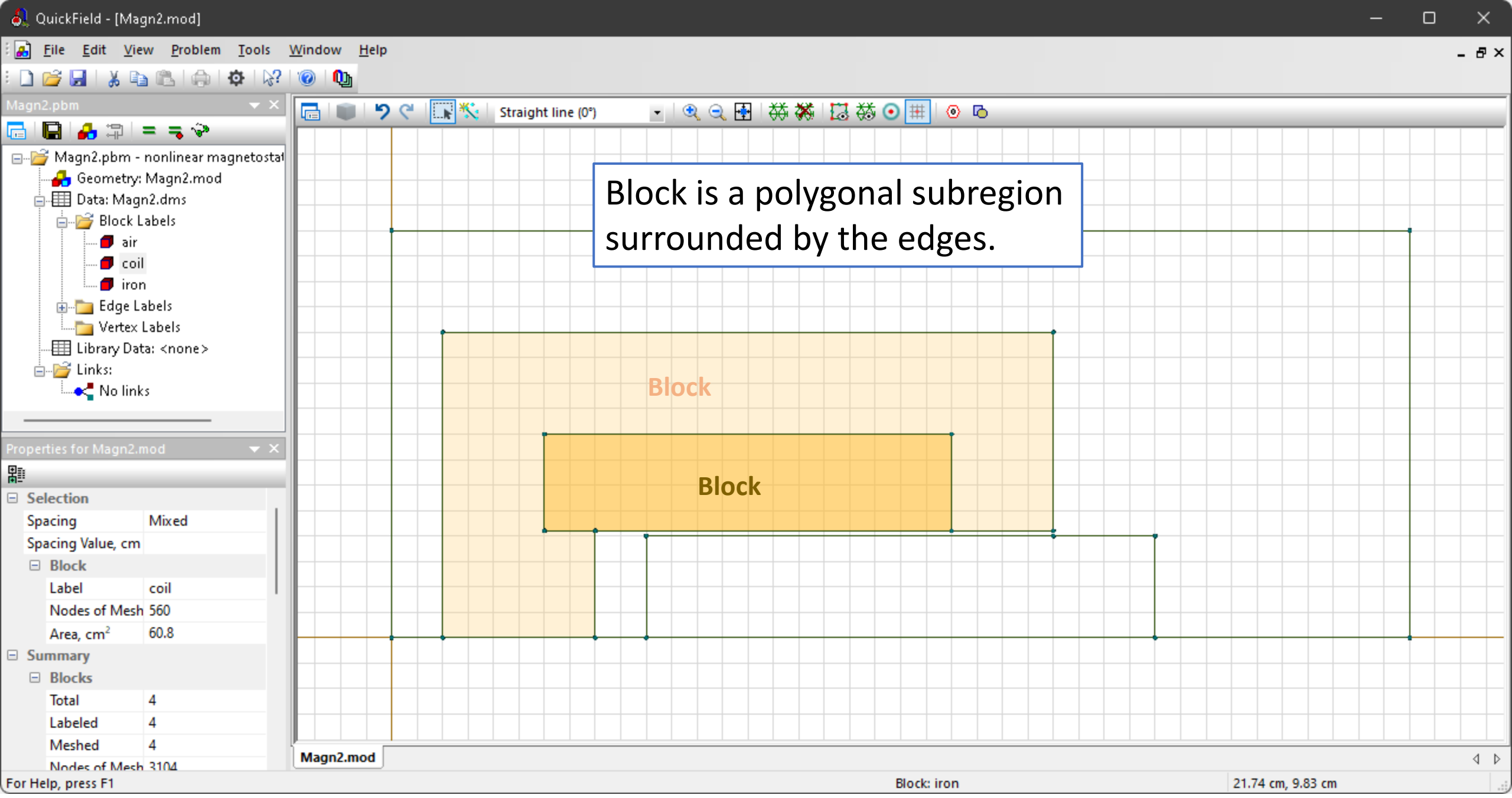

QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
3D
Mesh
Domains
Breaking
Spacing
Grid Settings...
Refresh F5
Coordinates
Length Units
General Toolbar
Status Bar
Properties
Cartesian
Polar
Straight line (0°)
In-plane coordinates could be *Cartesian* or *Polar*. You can switch between coordinate systems at any moment.
Polar
R
φ
0
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 19
Labeled 0
Postprocessing Magn2.pbm
Magn2.mod
Switch to the Cartesian coordinate system
7.33 cm, 34.55 °

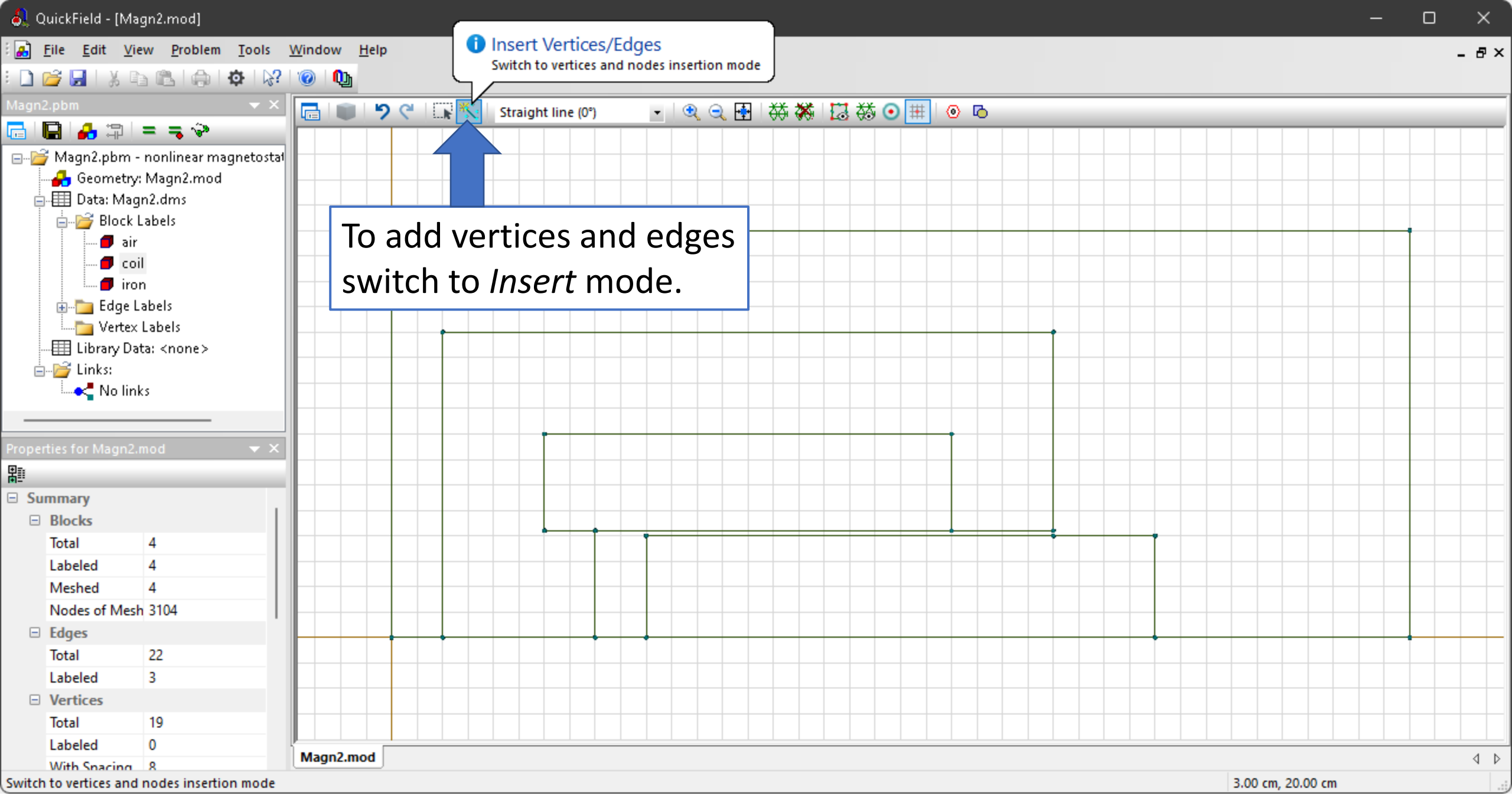

QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
3D
Mesh
Domains
Breaking
Spacing
Grid Settings...
Refresh F5
Coordinates
Length Units
General Toolbar
Status Bar
Properties
Microns
Millimeters
Centimeters
Meters
Kilometers
Inches
Feet
Miles
Straight line (0°)
You can change the length units.
Magn2.pbm
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 19
Labeled 0
Magn2.mod
For Help, press F1

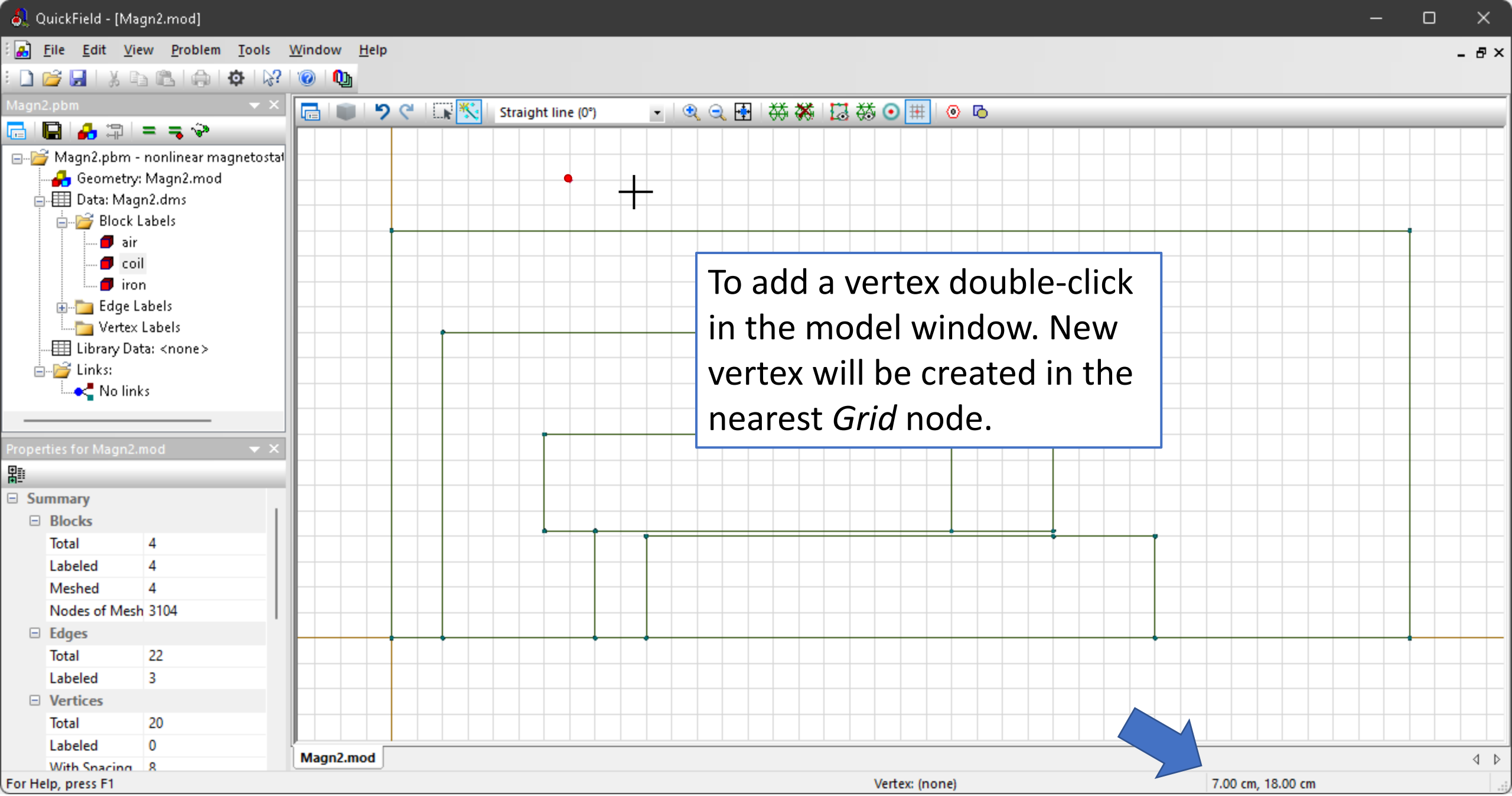

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Mixed
Spacing Value, cm
Block
Label coil
Nodes of Mesh 560
Area, cm2 60.8
Edges
Label (none)
Total 1
Labeled 0
Vertices
Label (none)
Straight line (0°)
Vertex
Geometry model consists of combination of vertices, edges and blocks.
Edge
Block
Magn2.mod
For Help, press F1

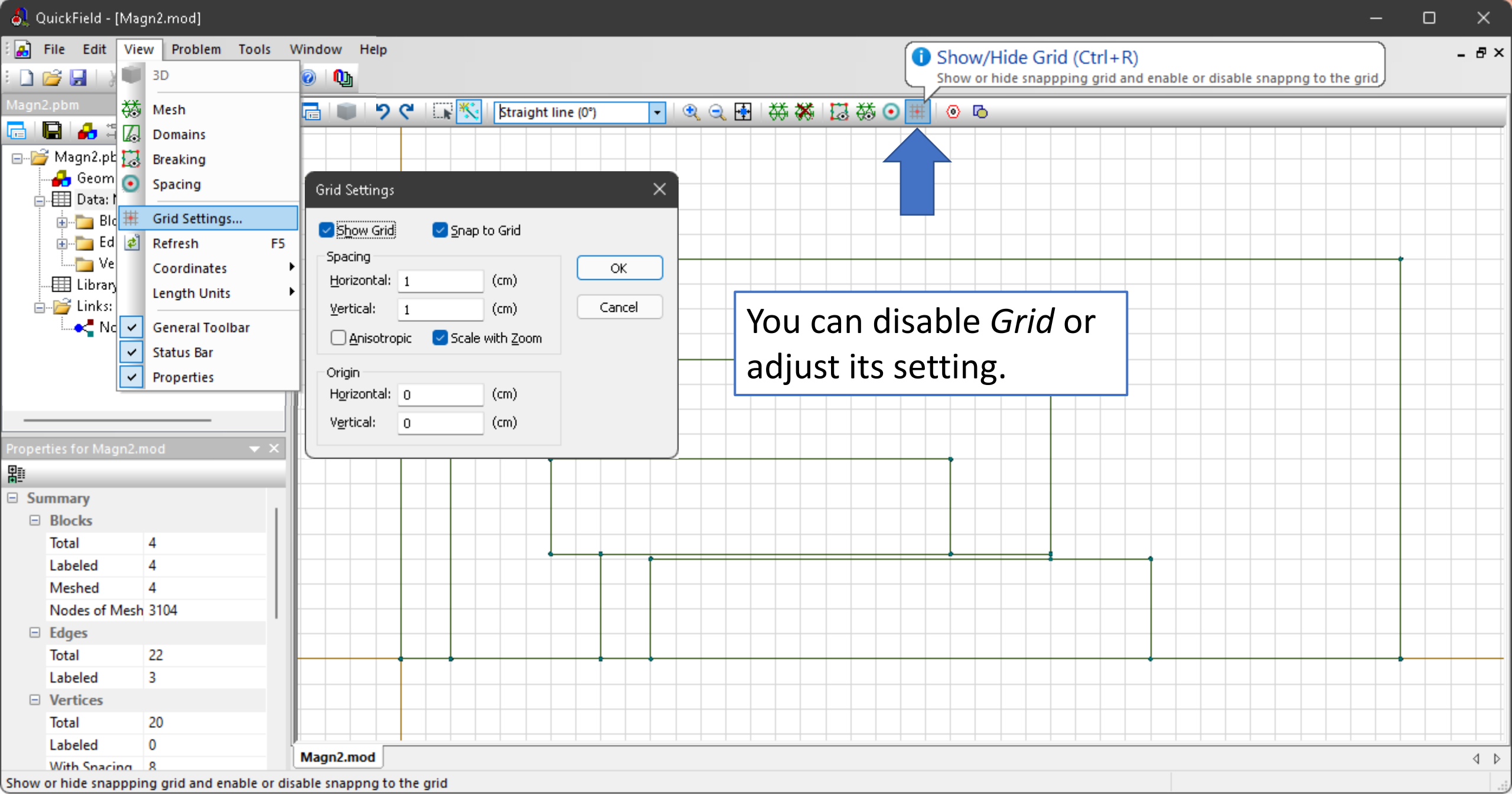

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 5
Nodes of Mesh 3343
Edges
Total 25
Labeled 3
Vertices
Total 22
Labeled 0
With Spacing 8
Vertex is a point in an empty space, or an end of the edge.
Magn2.mod
For Help, press F1

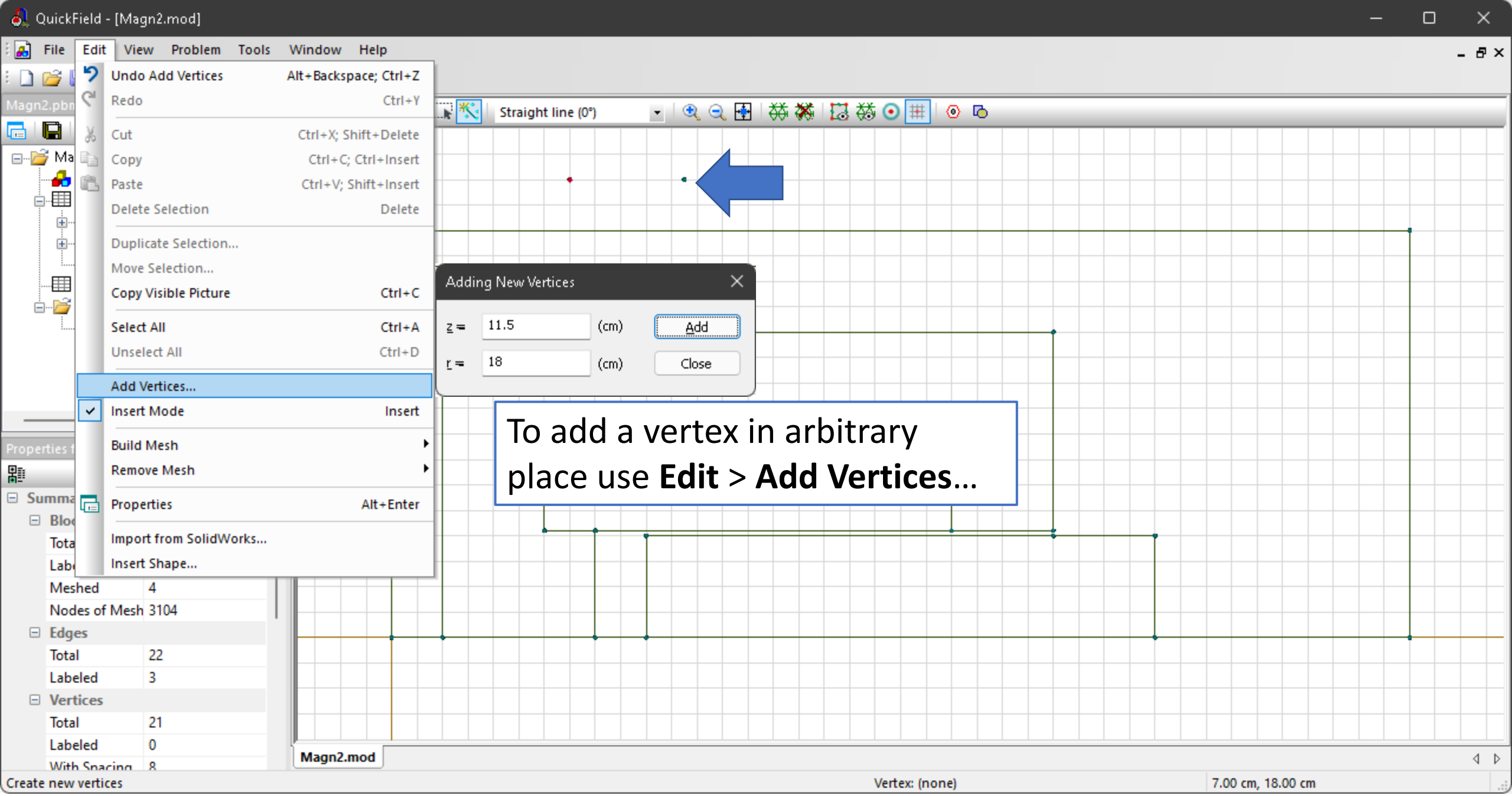

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 5
Nodes of Mesh 3343
Edges
Total 25
Labeled 3
Vertices
Total 22
Labeled 0
With Spacing 8
Straight line (0°)
Straight line (0°)
Quarter arc (90°)
Half arc (180°)
Three quarter (270°)
Edge is a line segment or a circular arc, with vertices on its ends.
Edge
Edge
Edge
Magn2.mod
For Help, press F1

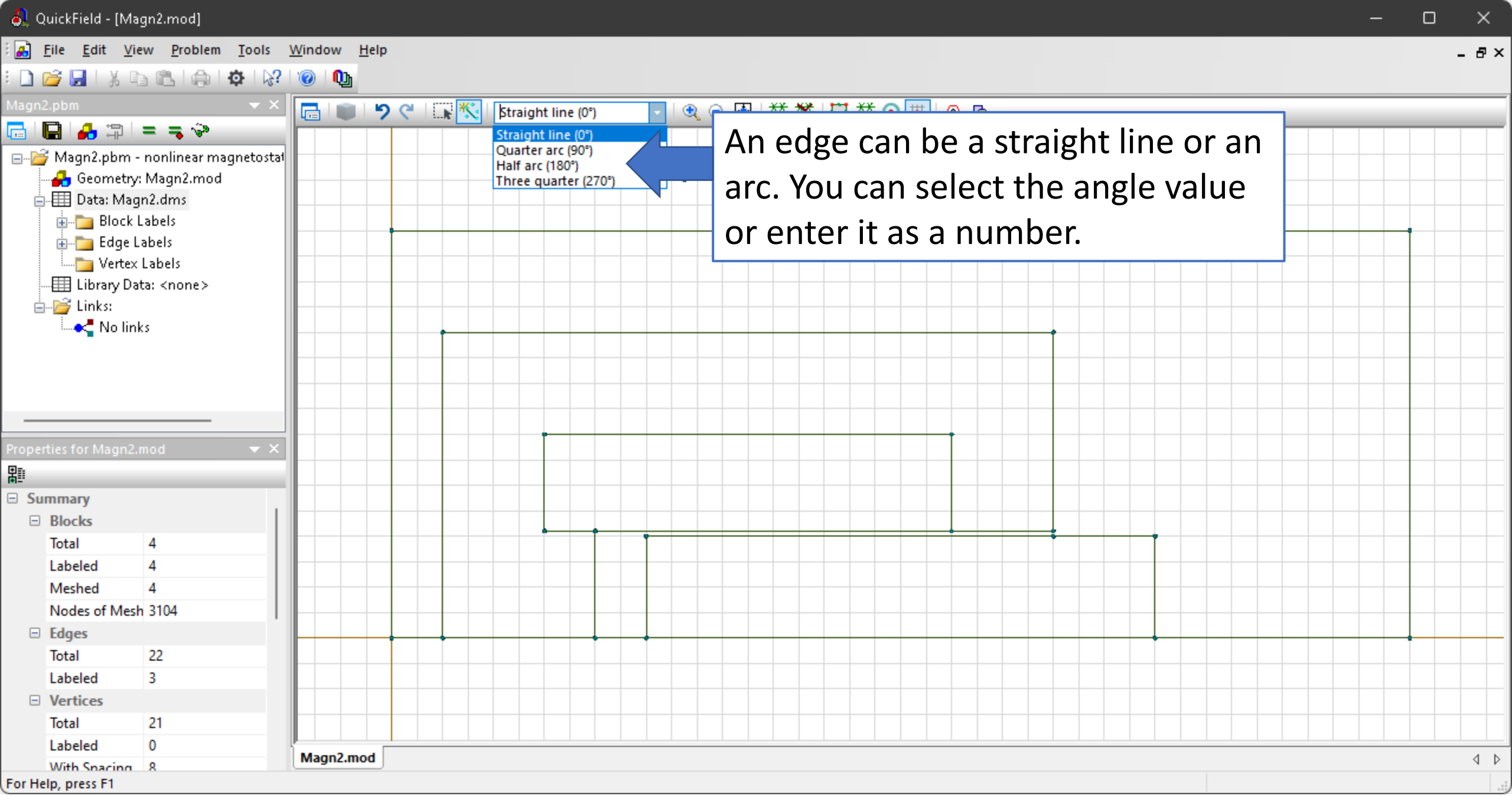

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Mixed
Spacing Value, cm
Block
Label coil
Nodes of Mesh 560
Area, cm2 60.8
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Straight line (0°)
Block is a polygonal subregion surrounded by the edges.
Block
Block
Magn2.mod
For Help, press F1
Block: iron
21.74 cm, 9.83 cm

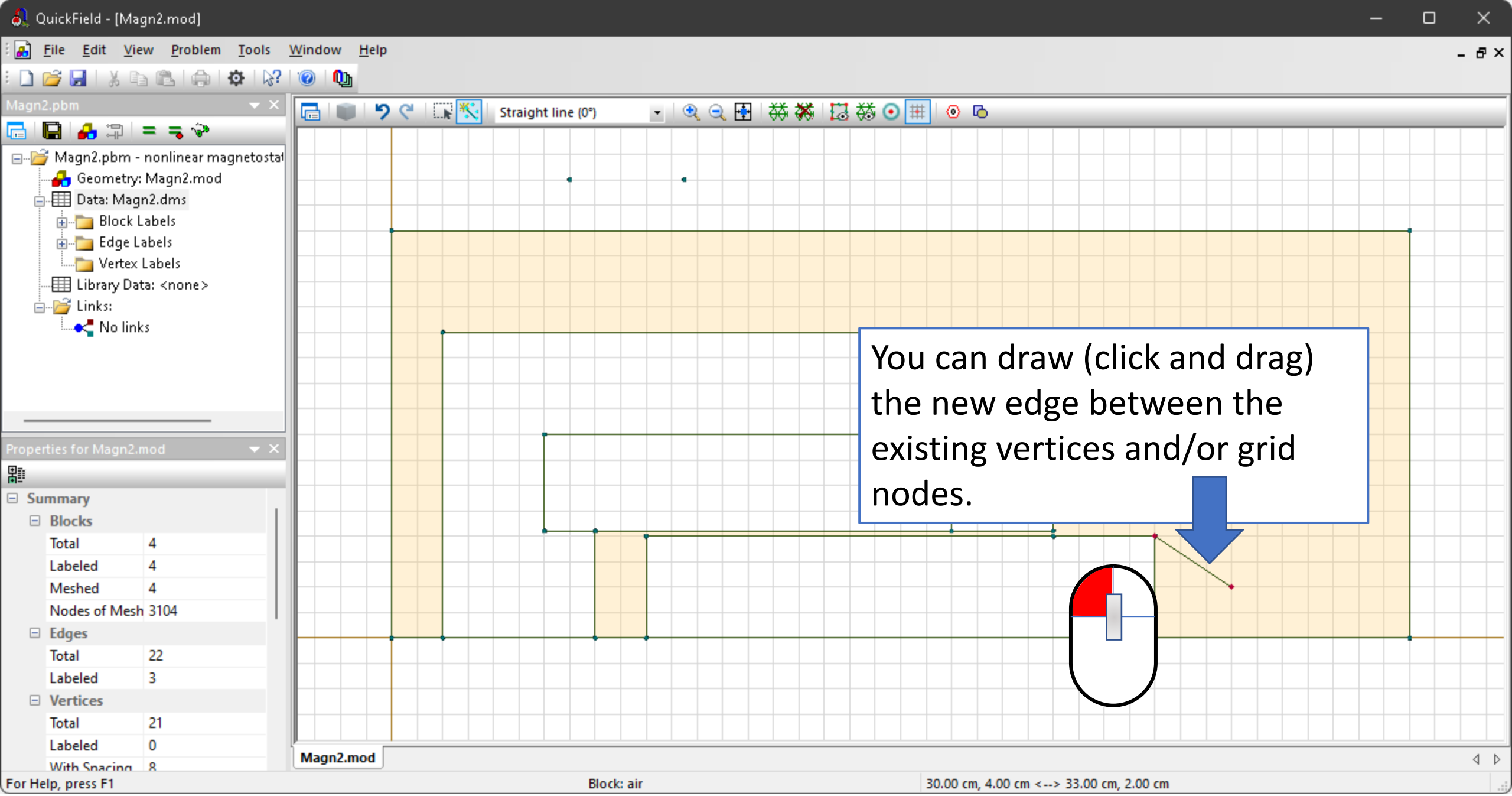

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Insert Vertices/Edges
Switch to vertices and nodes insertion mode
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 19
Labeled 0
Straight line (0°)
To add vertices and edges switch to Insert mode.
Magn2.mod
Switch to vertices and nodes insertion mode
3.00 cm, 20.00 cm

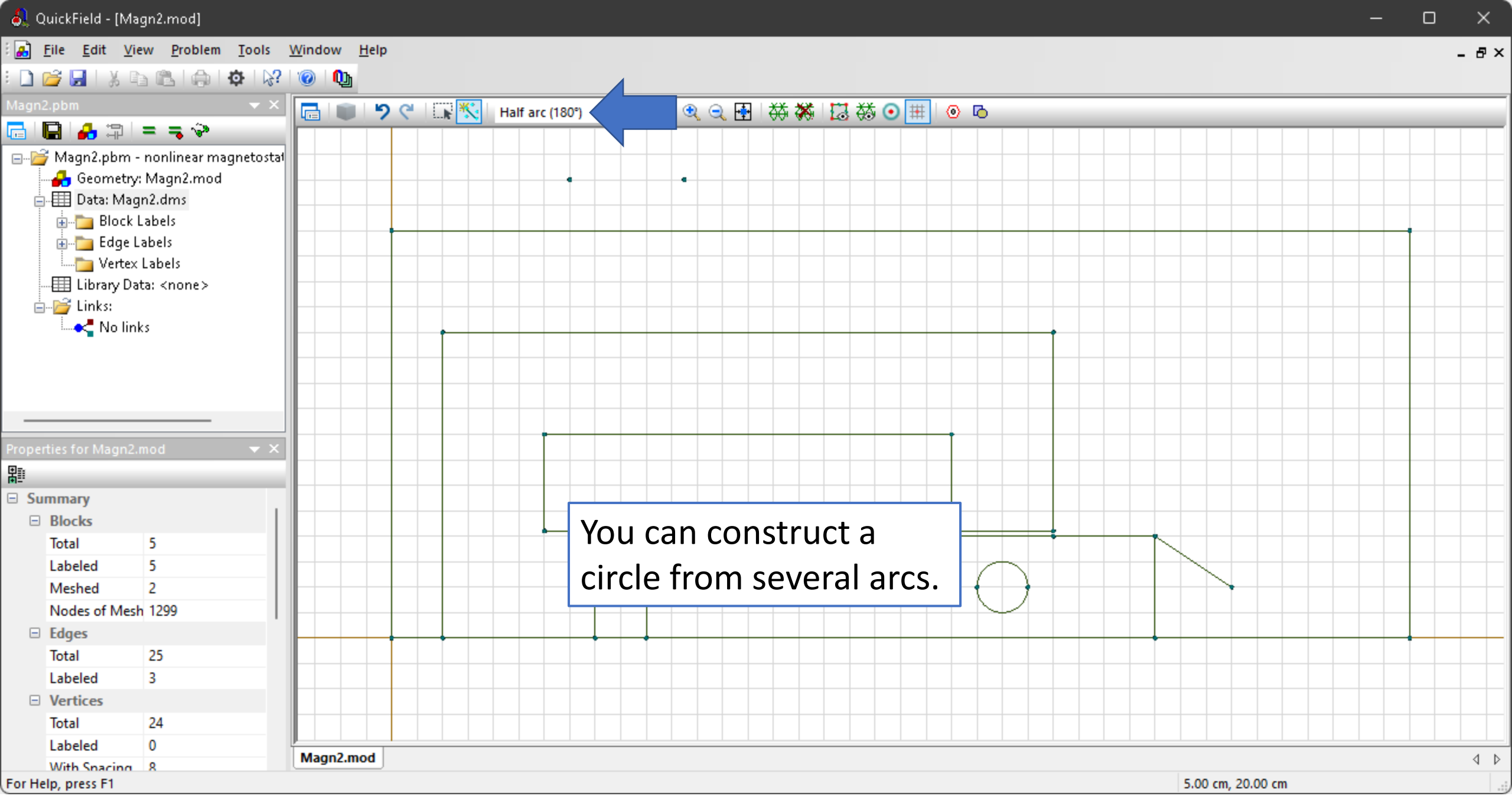

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 20
Labeled 0
Straight line (0°)
To add a vertex double-click in the model window. New vertex will be created in the nearest Grid node.
Magn2.mod
For Help, press F1
Vertex: (none)
7.00 cm, 18.00 cm

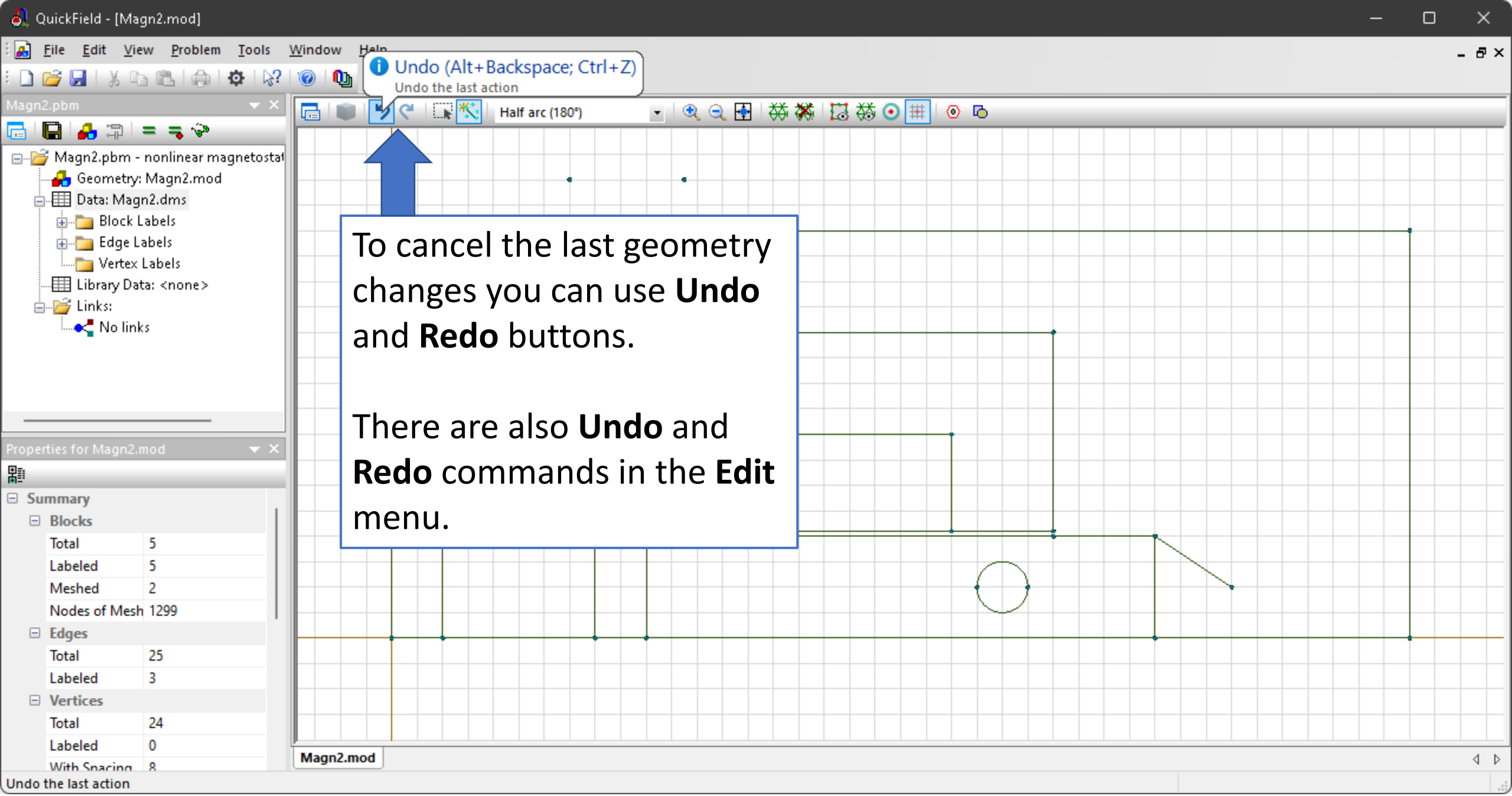

QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
3D
Mesh
Domains
Breaking
Spacing
Grid Settings...
Refresh F5
Coordinates
Length Units
General Toolbar
Status Bar
Properties
Show/Hide Grid (Ctrl+R)
Show or hide snappping grid and enable or disable snappng to the grid
Straight line (0°)
Grid Settings
Show Grid
Snap to Grid
Spacing
Horizontal: 1 (cm)
Vertical: 1 (cm)
Anisotropic
Scale with Zoom
Origin
Horizontal: 0 (cm)
Vertical: 0 (cm)
OK
Cancel
You can disable Grid or adjust its setting.
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 20
Labeled 0
Magn2.mod
Show or hide snappping grid and enable or disable snappng to the grid

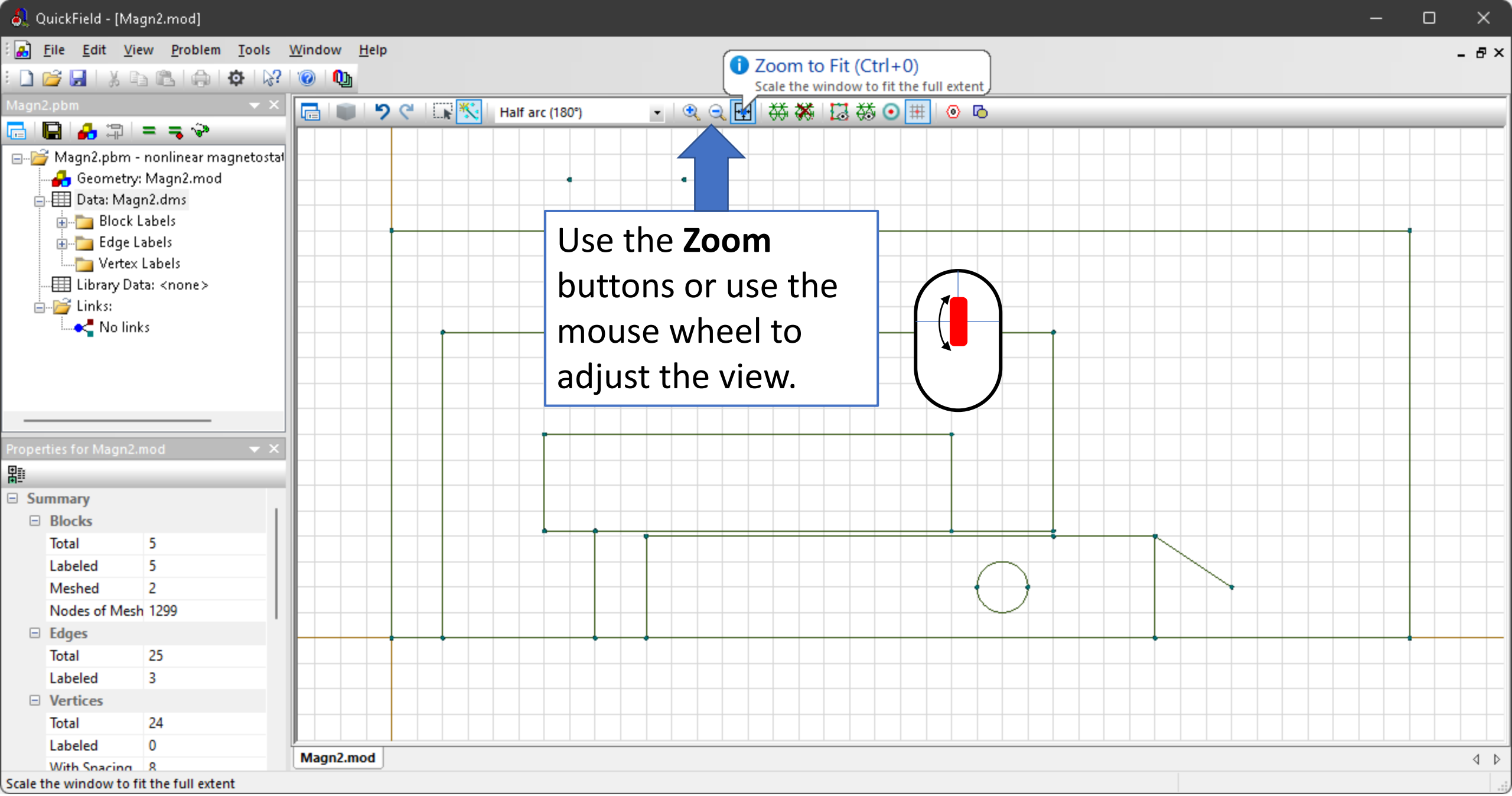

QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
Undo Add Vertices Alt+Backspace; Ctrl+Z
Redo Ctrl+Y
Cut Ctrl+X; Shift+Delete
Copy Ctrl+C; Ctrl+Insert
Paste Ctrl+V; Shift+Insert
Delete Selection Delete
Duplicate Selection...
Move Selection...
Copy Visible Picture Ctrl+C
Select All Ctrl+A
Unselect All Ctrl+D
Add Vertices...
Insert Mode Insert
Build Mesh
Remove Mesh
Properties Alt+Enter
Import from SolidWorks...
Insert Shape...
Straight line (0°)
Adding New Vertices
z = 11.5 (cm)
Add
r = 18 (cm)
Close
To add a vertex in arbitrary place use Edit > Add Vertices...
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 21
Labeled 0
Magn2.mod
Create new vertices
Vertex: (none)
7.00 cm, 18.00 cm

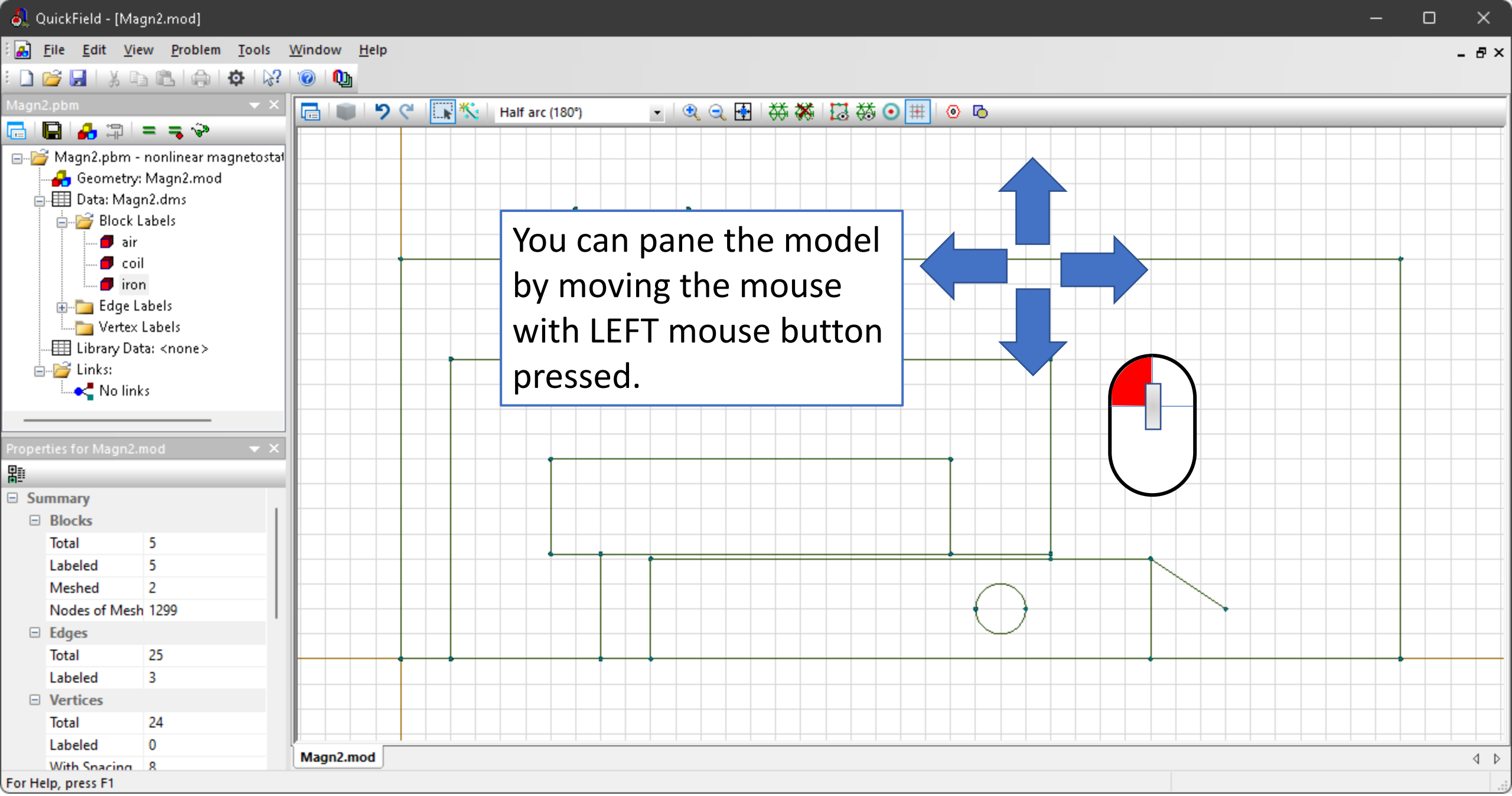

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 21
Labeled 0
Straight line (0°)
Straight line (0°)
Quarter arc (90°)
Half arc (180°)
Three quarter (270°)
An edge can be a straight line or an arc. You can select the angle value or enter it as a number.
Magn2.mod
For Help, press F1

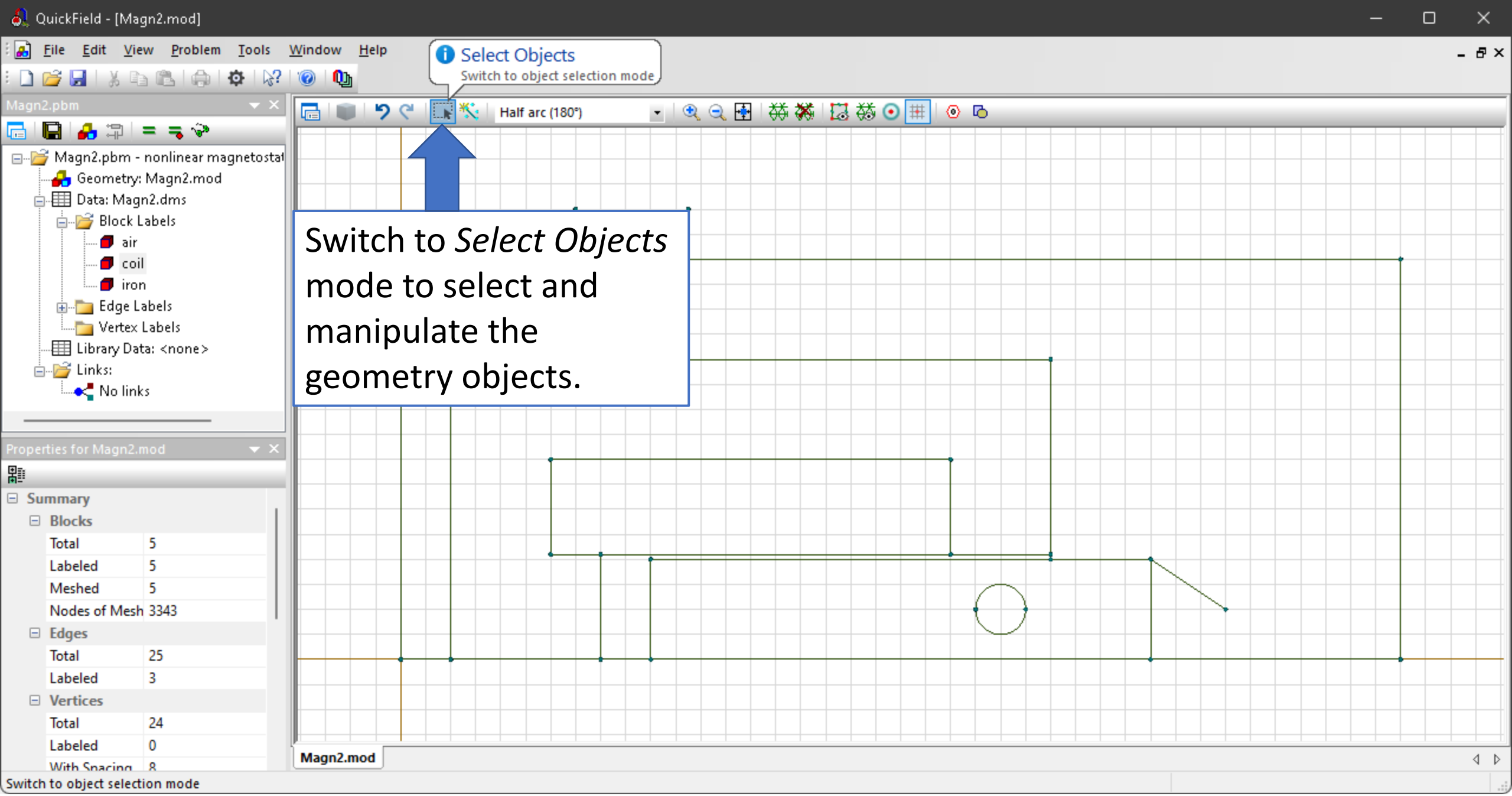

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 4
Labeled 4
Meshed 4
Nodes of Mesh 3104
Edges
Total 22
Labeled 3
Vertices
Total 21
Labeled 0
With Spacing 8
Straight line (0°)
You can draw (click and drag) the new edge between the existing vertices and/or grid nodes.
Magn2.mod
For Help, press F1
Block: air
30.00 cm, 4.00 cm <--> 33.00 cm, 2.00 cm


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
With Spacing 8
Half arc (180°)
You can construct a circle from several arcs.
Magn2.mod
For Help, press F1
5.00 cm, 20.00 cm


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Undo (Alt+Backspace; Ctrl+Z)
Undo the last action
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
Half arc (180°)
To cancel the last geometry changes you can use Undo and Redo buttons.
There are also Undo and Redo commands in the Edit menu.
Magn2.mod
Undo the last action


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Zoom to Fit (Ctrl+0)
Scale the window to fit the full extent
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Half arc (180°)
Use the Zoom buttons or use the mouse wheel to adjust the view.
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
Magn2.mod
Scale the window to fit the full extent


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
Half arc (180°)
You can pane the model by moving the mouse with LEFT mouse button pressed.
Magn2.mod
For Help, press F1


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Select Objects
Switch to object selection mode
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 5
Nodes of Mesh 3343
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
Half arc (180°)
Switch to *Select Objects* mode to select and manipulate the geometry objects.
Magn2.mod
Switch to object selection mode

QuickField - [Magn2.mod]

File Edit View Problem Tools Window Help

Magn2.pbm

- Magn2.pbm - nonlinear magnetostat
  - Geometry: Magn2.mod
  - Data: Magn2.dms
    - Block Labels
      - air
      - coil
      - iron
    - Edge Labels
    - Vertex Labels
  - Library Data: <none>
  - Links:
    - No links

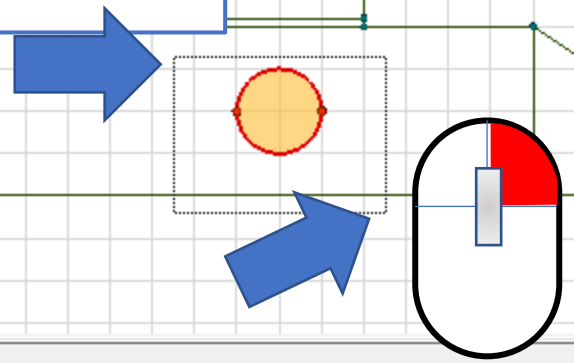
Properties for Magn2.mod

Selection	
Spacing	Automatic
Spacing Value, cm	
Block	
Label	iron
Nodes of Mesh	74
Area, cm^2	3.14159
Edges	
Label	(none)
Total	2
Labeled	0
Vertices	
Label	(none)

Half arc (180°)

You can select objects by clicking on them with LEFT mouse button or capture them by the rubber band with RIGHT mouse button pressed.

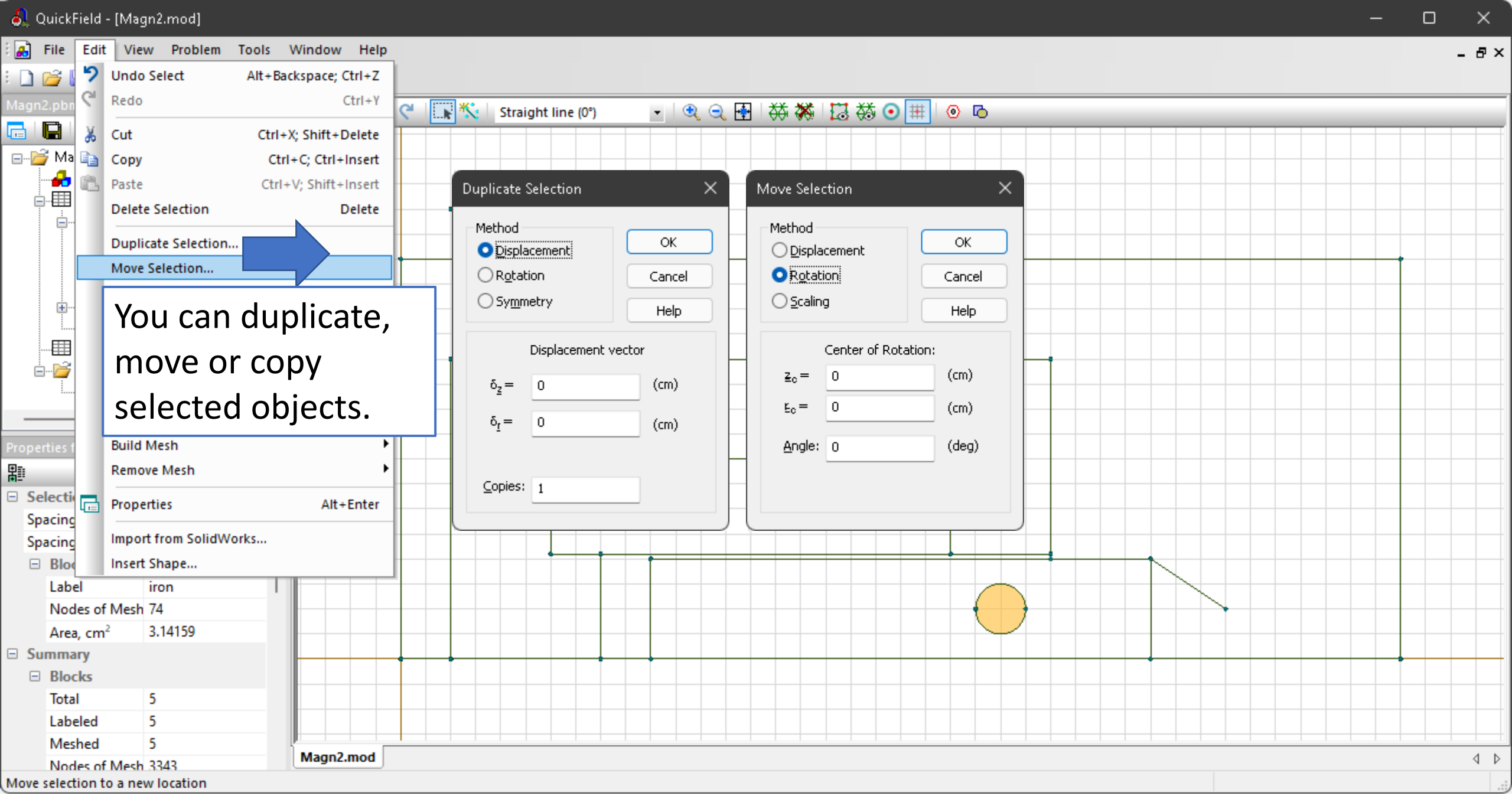
To select multiple objects hold the **CTRL** key pressed.



Magn2.mod

For Help, press F1

21.54 cm, -0.38 cm <--> 26.50 cm, 3.31 cm


QuickField - [Magn2.mod]
File
Edit
View
Problem
Tools
Window
Help
Undo Select Alt+Backspace; Ctrl+Z
Redo Ctrl+Y
Cut Ctrl+X; Shift+Delete
Copy Ctrl+C; Ctrl+Insert
Paste Ctrl+V; Shift+Insert
Delete Selection Delete
Duplicate Selection...
Move Selection...
Build Mesh
Remove Mesh
Properties Alt+Enter
Import from SolidWorks...
Insert Shape...
Straight line (0°)
Duplicate Selection
Method
Displacement
Rotation
Symmetry
OK
Cancel
Help
Displacement vector
δz = 0 (cm)
δr = 0 (cm)
Copies: 1
Move Selection
Method
Displacement
Rotation
Scaling
OK
Cancel
Help
Center of Rotation:
zc = 0 (cm)
rc = 0 (cm)
Angle: 0 (deg)
You can duplicate, move or copy selected objects.
Label iron
Nodes of Mesh 74
Area, cm2 3.14159
Summary
Blocks
Total 5
Labeled 5
Meshed 5
Nodes of Mesh 3343
Magn2.mod
Move selection to a new location

QuickField - [Magn2.mod]

File Edit View Problem Tools Window Help

Magn2.pbm

- Magn2.pbm - nonlinear magnetostat
  - Geometry: Magn2.mod
  - Data: Magn2.dms
    - Block Labels
      - air
      - coil
      - iron
    - Edge Labels
    - Vertex Labels
  - Library Data: <none>
  - Links:
    - No links

Properties for Magn2.mod

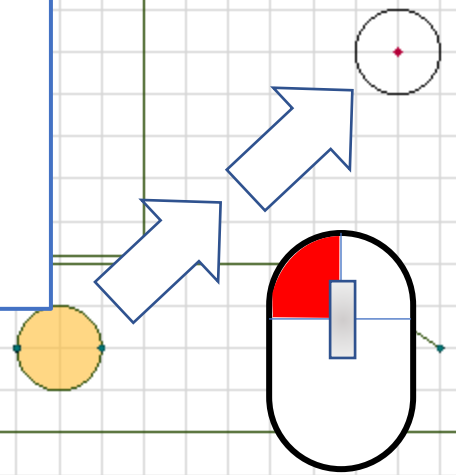
Selection	
Spacing	Automatic
Spacing Value, cm	
Block	
Label	iron
Nodes of Mesh	0
Area, cm^2	3.14159
Summary	
Blocks	
Total	5
Labeled	5
Meshed	2
Nodes of Mesh	1299

Half arc (180°)

Another option is to drag the selected objects using the mouse. Hold **ALT** key pressed to start drag (left mouse button pressed).

Hold **CTRL** to create a copy.

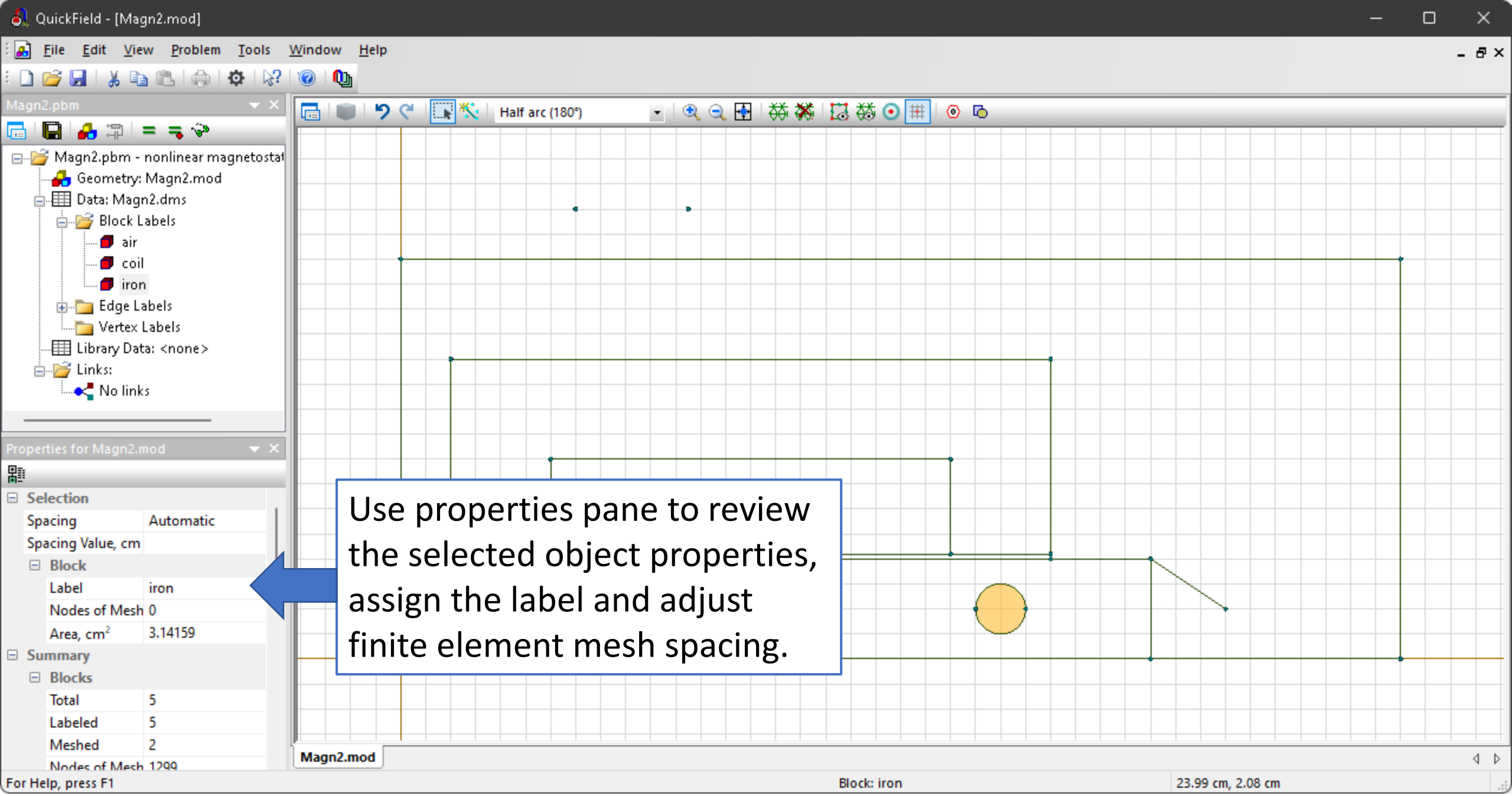
Hold **SHIFT** to move the object without connected edges.

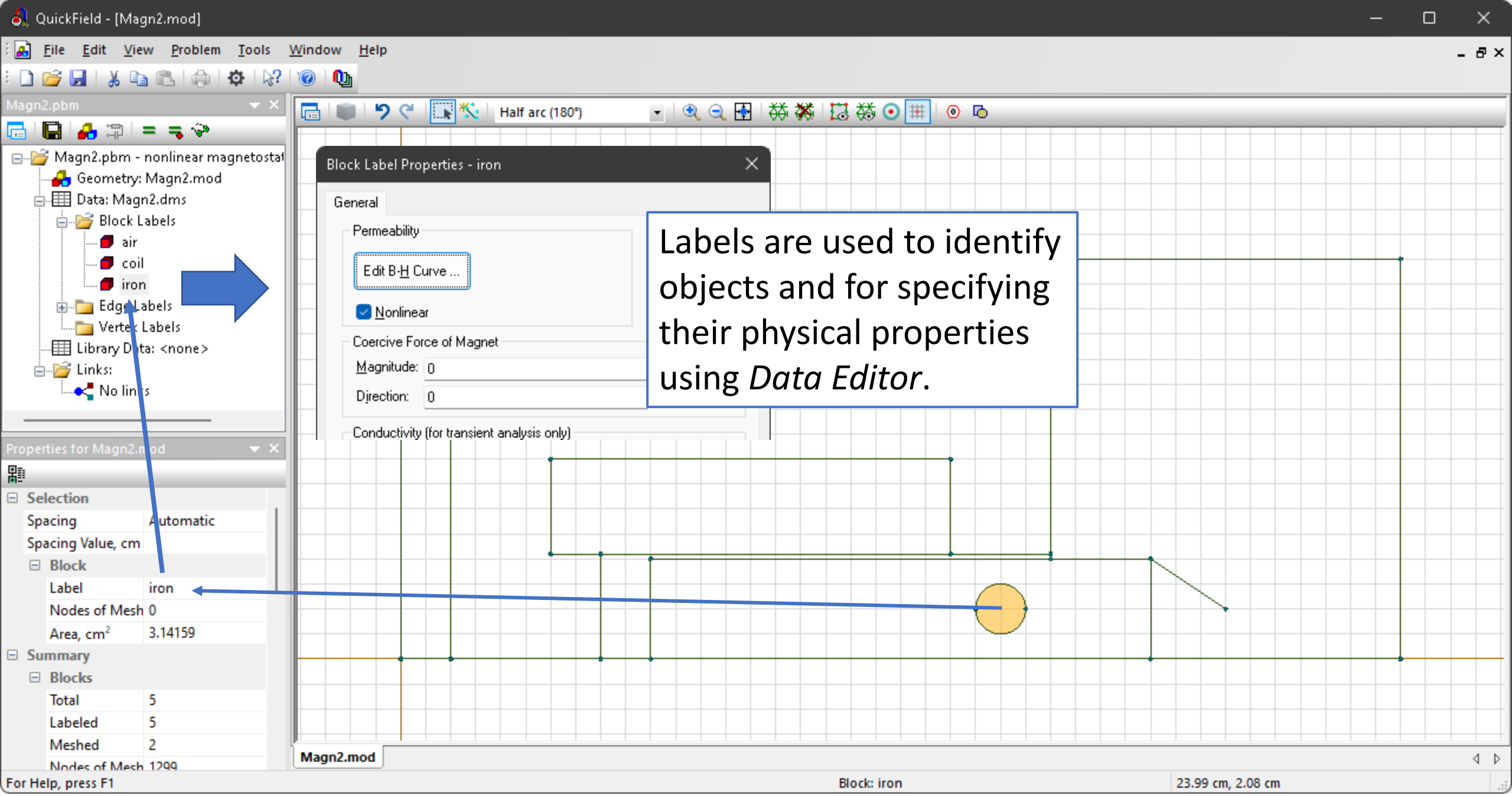


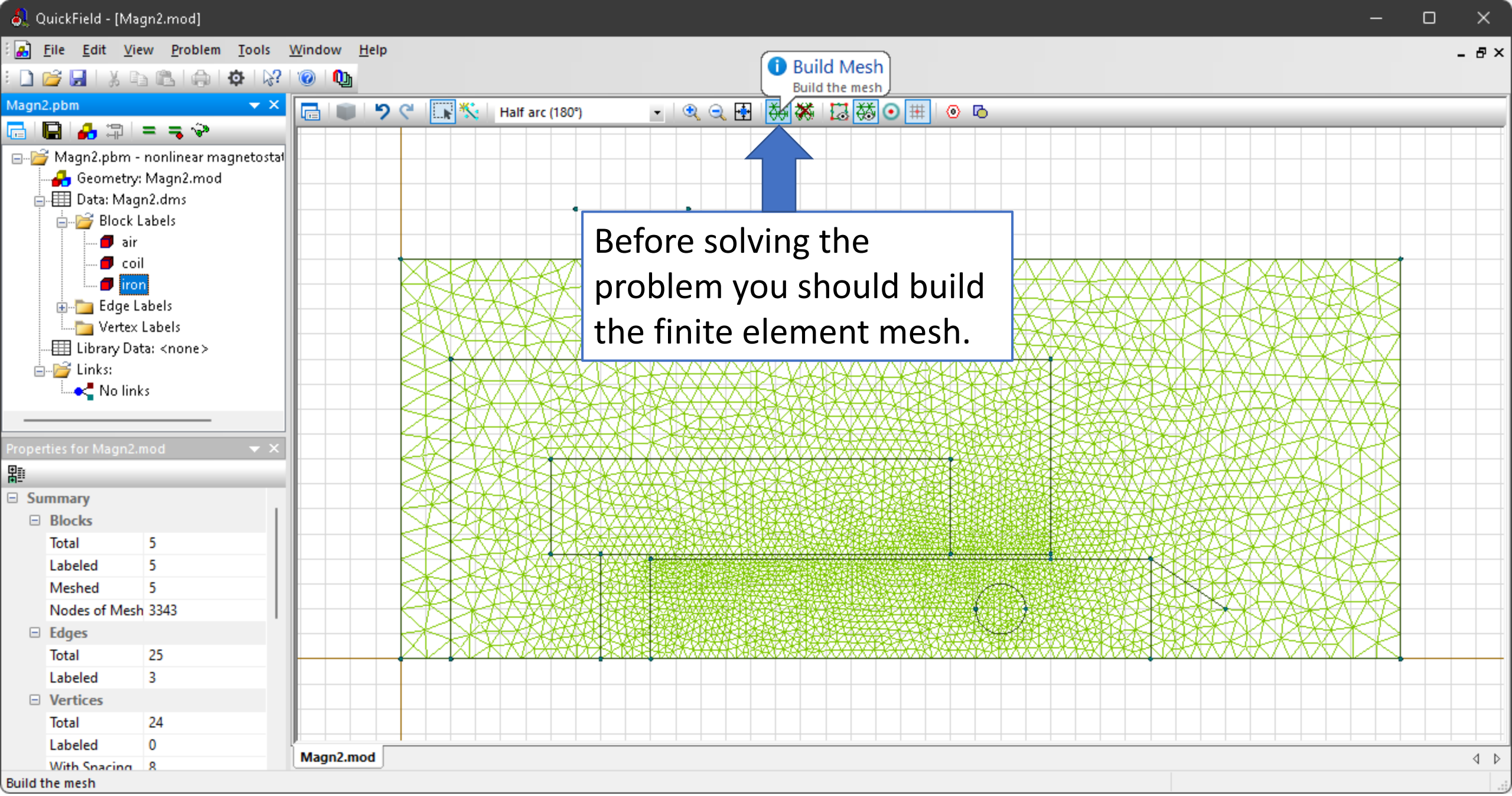
Magn2.mod

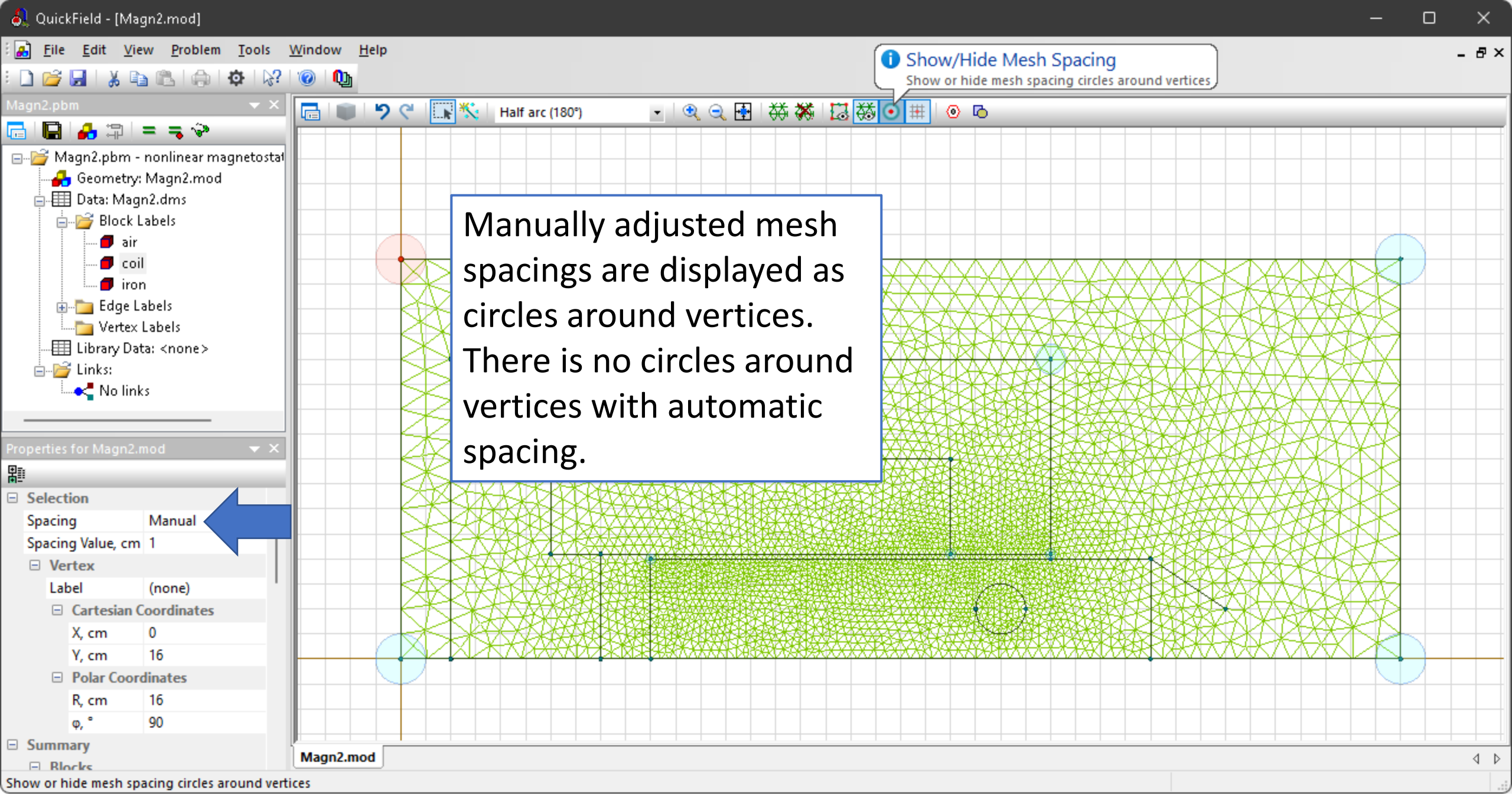
Moving selected objects. Press SHIFT to move without connected objects. Press CTRL t Block: air

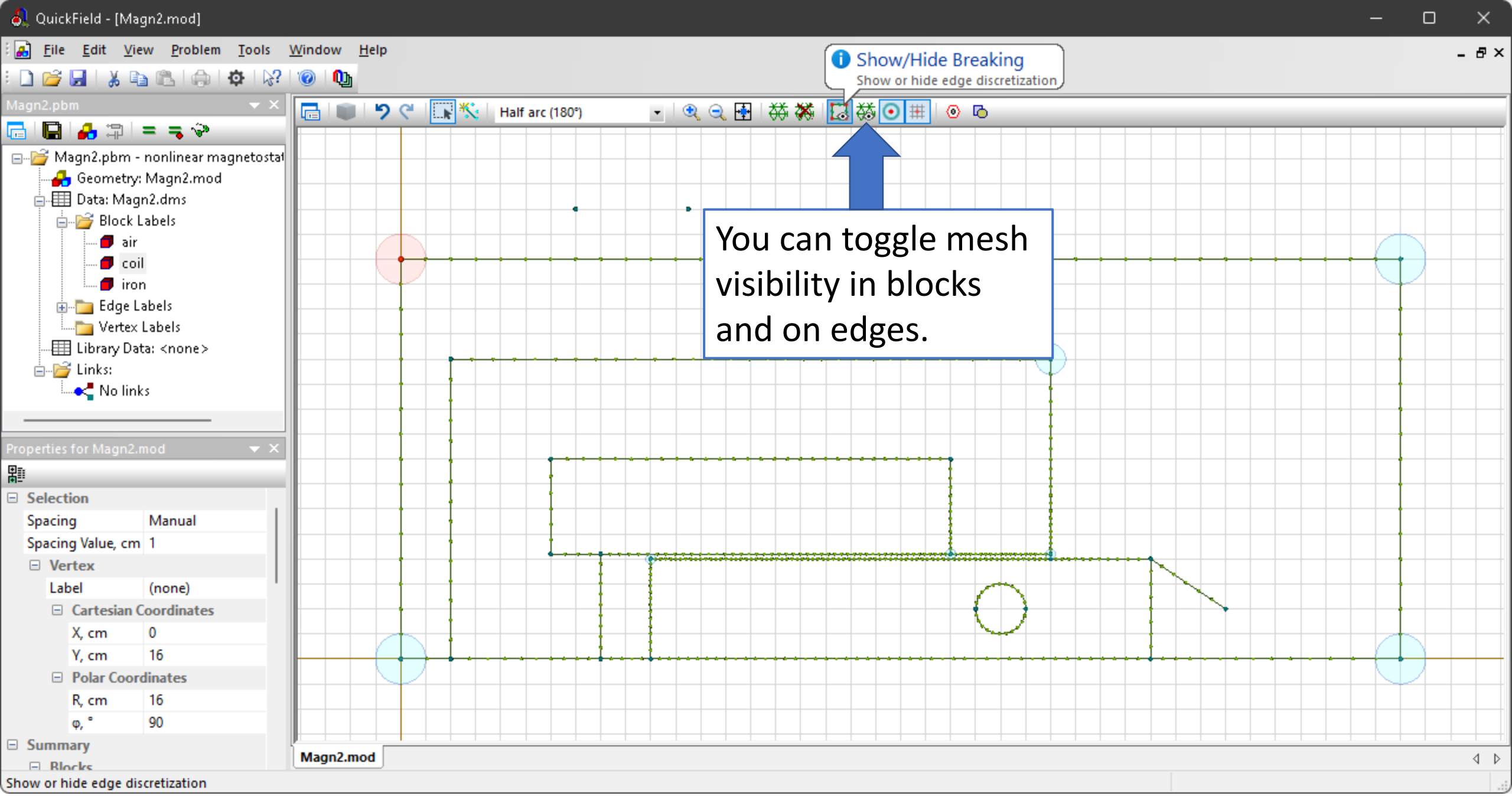
24.00 cm, 2.00 cm <--> 32.00 cm, 9.00 cm

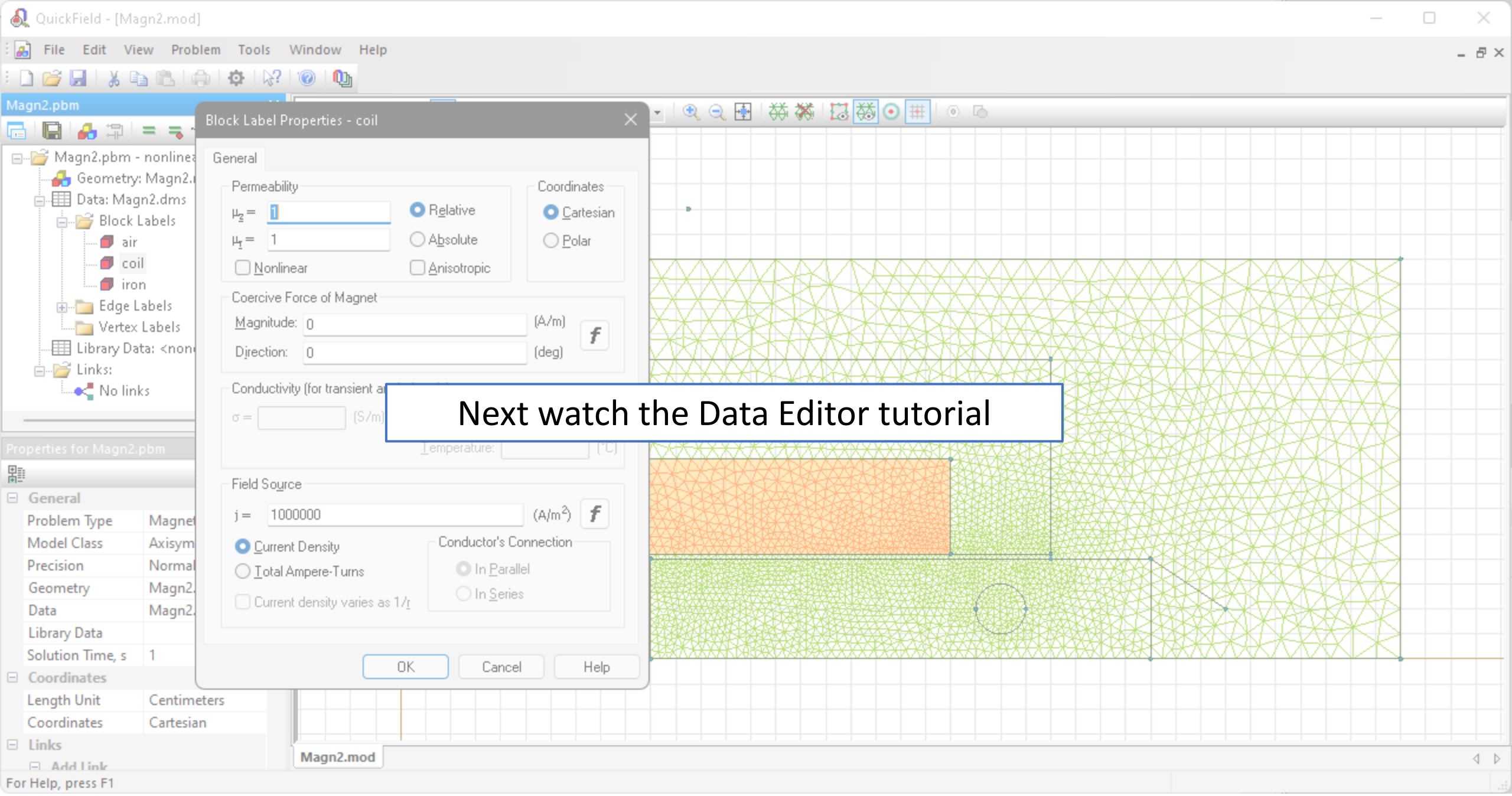

QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Automatic
Spacing Value, cm
Block
Label iron
Nodes of Mesh 0
Area, cm² 3.14159
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Half arc (180°)
Use properties pane to review the selected object properties, assign the label and adjust finite element mesh spacing.
Magn2.mod
For Help, press F1
Block: iron
23.99 cm, 2.08 cm


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Automatic
Spacing Value, cm
Block
Label iron
Nodes of Mesh 0
Area, cm² 3.14159
Summary
Blocks
Total 5
Labeled 5
Meshed 2
Nodes of Mesh 1299
Half arc (180°)
Block Label Properties - iron
General
Permeability
Edit B-H Curve ...
Nonlinear
Coercive Force of Magnet
Magnitude: 0
Direction: 0
Conductivity (for transient analysis only)
Labels are used to identify objects and for specifying their physical properties using Data Editor.
Magn2.mod
For Help, press F1
Block: iron
23.99 cm, 2.08 cm


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Build Mesh
Build the mesh
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Summary
Blocks
Total 5
Labeled 5
Meshed 5
Nodes of Mesh 3343
Edges
Total 25
Labeled 3
Vertices
Total 24
Labeled 0
Half arc (180°)
Before solving the problem you should build the finite element mesh.
Magn2.mod
Build the mesh


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Show/Hide Mesh Spacing
Show or hide mesh spacing circles around vertices
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Manual
Spacing Value, cm 1
Vertex
Label (none)
Cartesian Coordinates
X, cm 0
Y, cm 16
Polar Coordinates
R, cm 16
φ, ° 90
Summary
Blocks
Half arc (180°)
Manually adjusted mesh spacings are displayed as circles around vertices. There is no circles around vertices with automatic spacing.
Magn2.mod
Show or hide mesh spacing circles around vertices


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Show/Hide Breaking
Show or hide edge discretization
Magn2.pbm
Magn2.pbm - nonlinear magnetostat
Geometry: Magn2.mod
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none>
Links:
No links
Properties for Magn2.mod
Selection
Spacing Manual
Spacing Value, cm 1
Vertex
Label (none)
Cartesian Coordinates
X, cm 0
Y, cm 16
Polar Coordinates
R, cm 16
φ, ° 90
Summary
Blocks
Half arc (180°)
You can toggle mesh visibility in blocks and on edges.
Magn2.mod
Show or hide edge discretization


QuickField - [Magn2.mod]
File Edit View Problem Tools Window Help
Magn2.pbm
Magn2.pbm - nonlinea
Geometry: Magn2.
Data: Magn2.dms
Block Labels
air
coil
iron
Edge Labels
Vertex Labels
Library Data: <none
Links:
No links
Properties for Magn2.pbm
General
Problem Type Magnet
Model Class Axisym
Precision Normal
Geometry Magn2
Data Magn2
Library Data
Solution Time, s 1
Coordinates
Length Unit Centimeters
Coordinates Cartesian
Links
Add Link
Block Label Properties - coil
General
Permeability
μ2 = 1
μ1 = 1
Relative
Absolute
Nonlinear
Anisotropic
Coordinates
Cartesian
Polar
Coercive Force of Magnet
Magnitude: 0 (A/m)
Direction: 0 (deg)
Conductivity (for transient a
σ = (S/m)
Temperature: (°C)
Field Source
j = 1000000 (A/m2)
Current Density
Total Ampere-Turns
Current density varies as 1/r
Conductor's Connection
In Parallel
In Series
OK
Cancel
Help
Next watch the Data Editor tutorial
Magn2.mod
For Help, press F1