

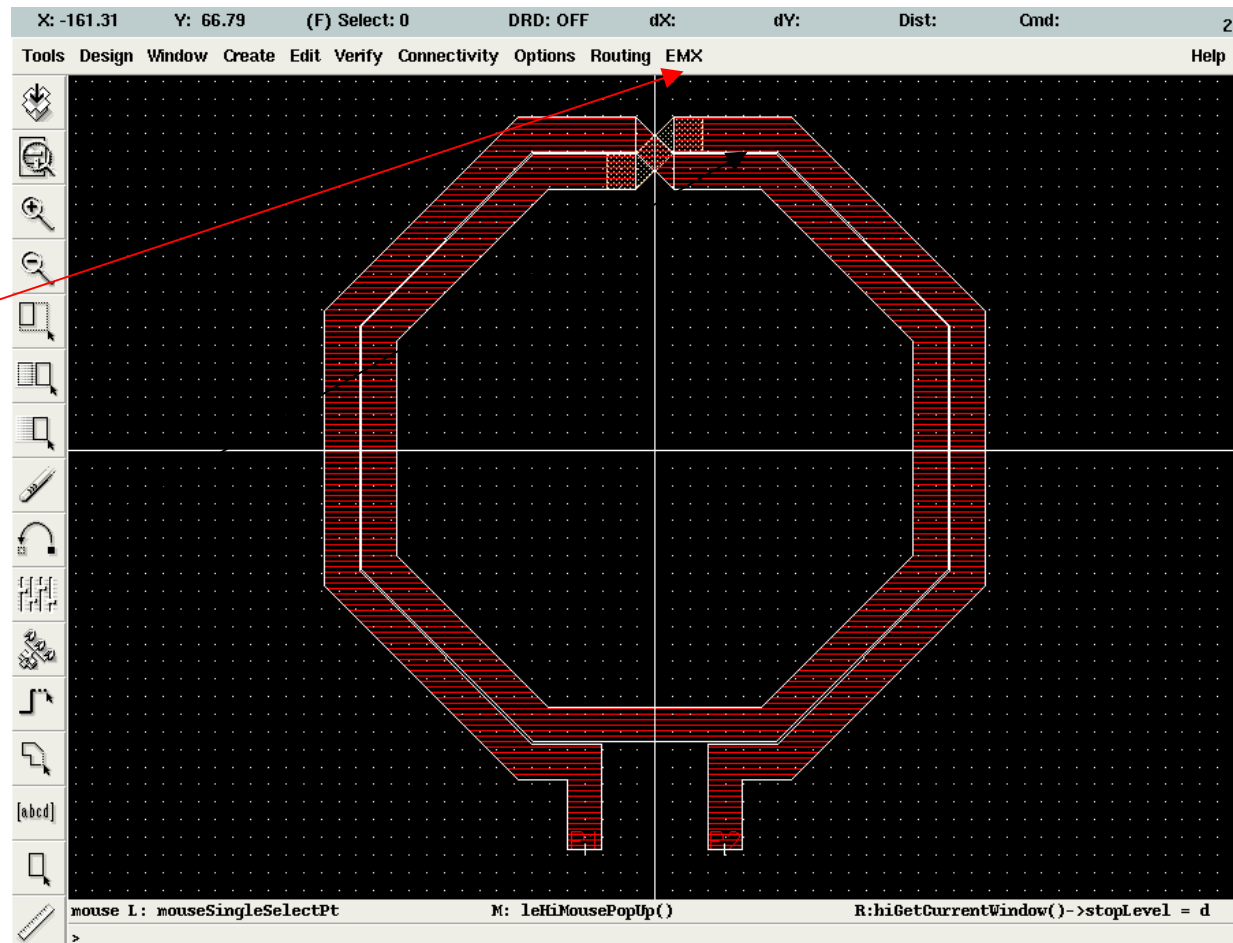
Using EMX-Virtuoso

April 2007

Integrand Software, Inc.

Virtuoso Layout

- Create a layout using Virtuoso
- Use EMX menu pulldown to access the EMX simulator interface



EMX simulator interface

Close Help

CellView:

Library

Cell

Process options:

Process

View

GDSII options:

GDS View

EMX accuracy options (all units in microns):

Edgemesh

Thickness

3D Metals

via merge

EMX simulation options:

signal ports

ground ports

Frequency (Hz):

start stop step

Output:

Output: S-parameters Y-parameters

Output Format: Touchstone Spectre Matlab

Simulation:

Plot options:

Wavescan

Inductor single-ended differential

Close Help

CellView:

Library

Cell

Process options:

Process Browse...

View Scaled Unscaled

GDSII options:

GDS View EMX Raw

EMX accuracy options (all units in microns):

Edgemesh

Thickness

3D Metals

via merge

EMX simulation options:

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start stop step

Output:

Output: S-parameters Y-parameters

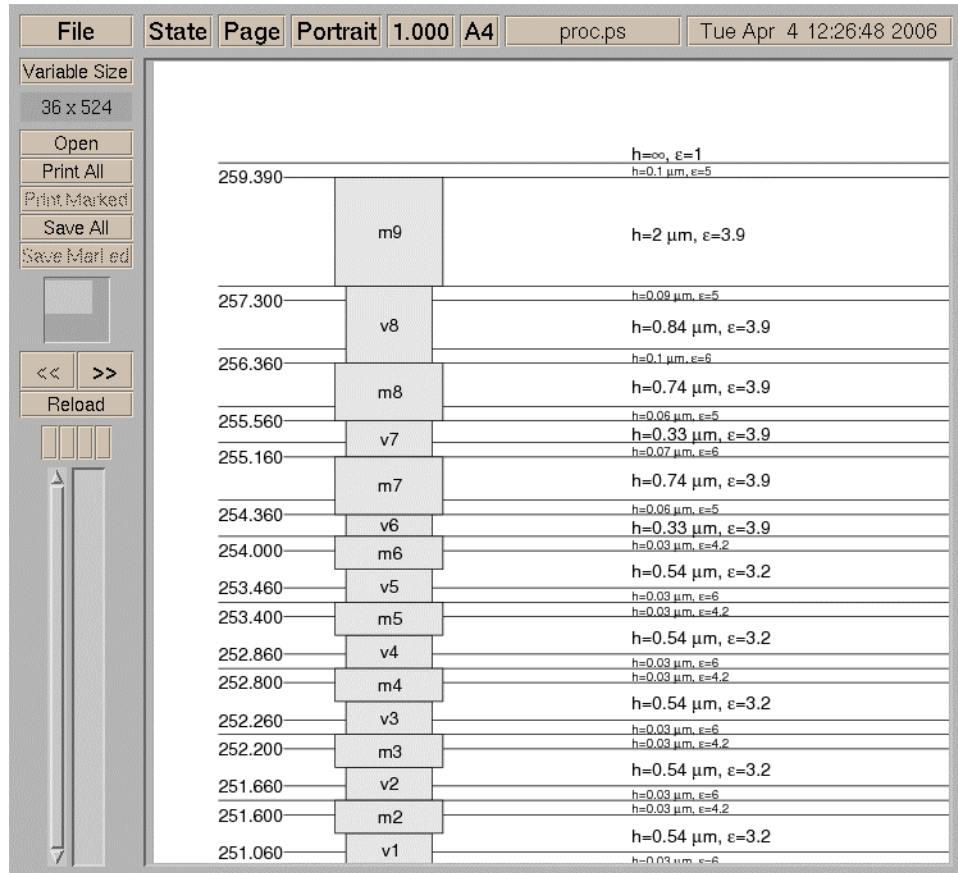
Output Format: Touchstone Spectre Matlab

Simulation:

Plot options:

Wavescan

Inductor single-ended differential



View the process file

Close Help

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start stop step

Output:

Output: S-parameters Y-parameters

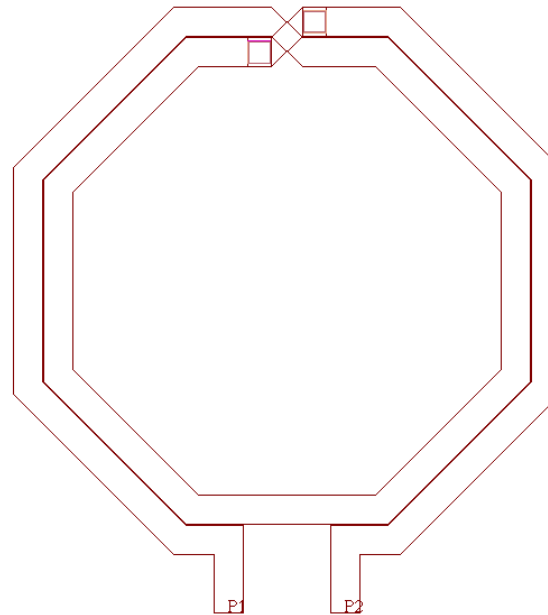
Output Format: Touchstone Spectre Matlab

Simulation:

Plot options:

Wavescan

Inductor single-ended differential



View the GDS layout

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```

Creating mesh...done
Meshing time 0.30
1978 basis functions
3782 vector potential elements
1248 scalar potential elements

```

Run the simulator

Close Help

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Process Browse...

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Output:

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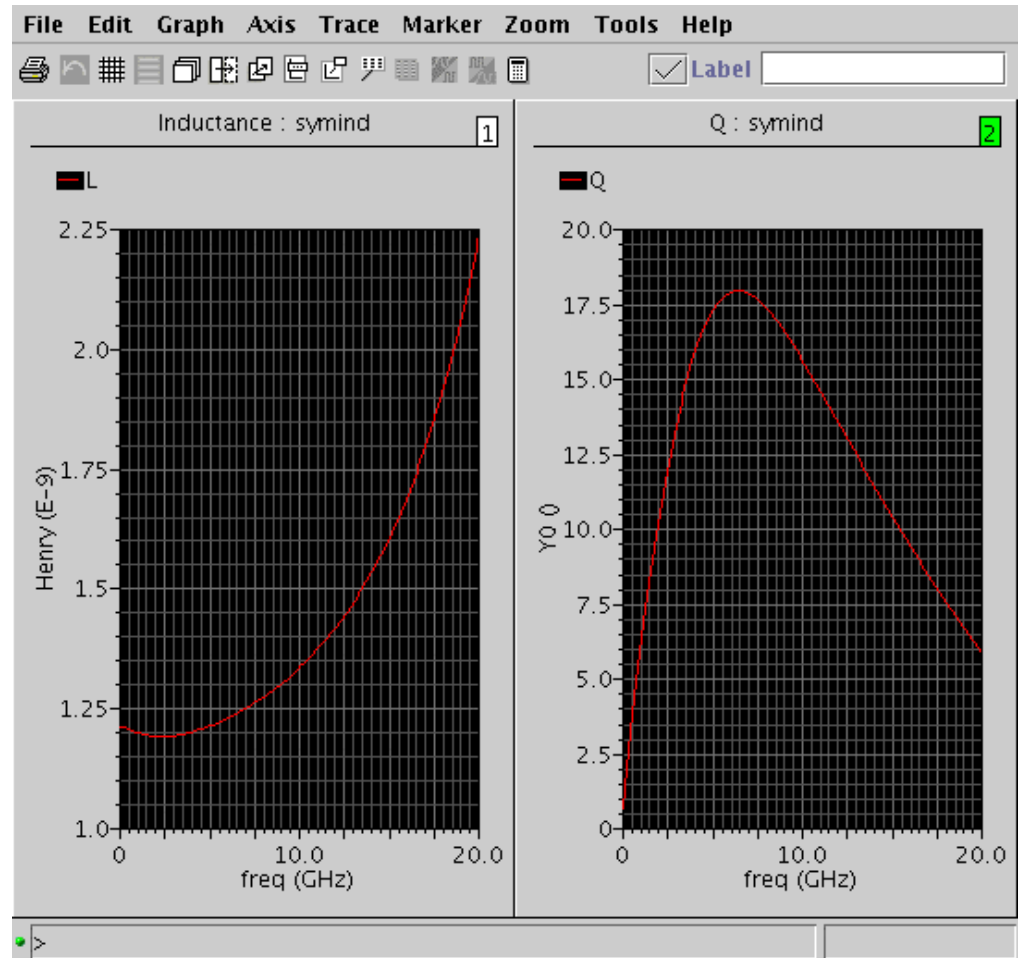
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View the results

