
FastHenry2 Runner

Table of Contents

Parameters	1
Code	1

[L,R,Frequency]=fasthenry_runner(file_name,directives,show)

Author: JCCopyrights Summer 2019 Tries to execute the file file_name with Fasthenry2 automations Extra parameters can be added via directives to the FastHenry2 execution If show is true, the FastHenry2 window will open to follow the execution

Parameters

- @param **file_name** FastHenry script to run
- @param **directives** String of Extra directives to run FastHenry2
- @param **show** Boolean Activates the FastHenry2 GUI
- @retval **L** Array if Inductances
- @retval **R** Array of Resistances
- @retval **Frequency** Array of Frequencies FastHenry2 Script is Evaluated

Code

```
function [L,R,Frequency]=fasthenry_runner(file_name,directives,show)
ax=actxserver('FastHenry2.Document');
%pwd returns the current working directory
if show
    ax.invoke('ShowWindow');
end
ax.invoke('Run',[''' pwd '/' file_name ''' ' ' directives]);
while(ax.invoke('IsRunning'))
    pause(0.1);%@TODO use same handler, this doesn't work if the
simulation is too fast
end
%names=ax.invoke('GetRowPortNames');
L=cell2mat(ax.invoke('GetInductance'));
R=cell2mat(ax.invoke('GetResistance'));
Frequency=cell2mat(ax.invoke('GetFrequencies'));
ax.invoke('Quit');
ax=[];
end
```

Published with MATLAB® R2019a