
```
%%Automation for LTSPice
% raw_data=LTautomation(file_name)
%
% Author: JCCopyrights Summer 2019
% This function will execute a LTSpice XVII run it and return a struct
% containing
% all signals in the simulation. Only executes files in the sim
% folder.
```

Parameters

- @param **file_name** Name of .asc file in the sim folder to be executed
- @retval **raw_data** Returns the struct with all the signals

Code

```
function raw_data=LTautomation(file_name)
    addpath(' ../../utilities');
    repo_path='C:\Users\johnc\Dropbox\TFM\source\MIF3\';
    ltspice_path='C:\Program Files\LTC\LTspiceXVII\XVIIx64.exe';
    sim_path=[repo_path 'sim\'];
    cmd =['"' ltspice_path '"' ' -Run -b ' sim_path file_name];
    [trash, trash]=system(cmd); %Avoid seeing the commands
    len=length(file_name);
    file_name(len-3:len)='.raw'; %Searches the .raw file generated
    raw_data=LTspice2Matlab([sim_path file_name]);%Imports all the data
```

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