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Highlights from
Read ngspice`ReadNGSpice(filename)[Data, Labels] = ReadSpice(filename)`[View all files](#)

Read ngspice

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24 Feb 2009

Loads data from ngspice simulations into MATLAB

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File Information

Description % [Data, Labels] = ReadSpice(filename)
%
% Data is an MxN matrix containing the values of the M variables
% at each of the N datapoints.
%
% Labels is a M-vector with the Mth label corresponding to the
% Mth row in Data
%
% This script has been tested on raw (-r Out.raw) data from
% ngspice-rework17.
%
% Usage example:
% [data, labels] = ReadNGSpice('out.raw');
% labels (to view how the data is labeled)
% plot(data(1,:), data(6,:));
% title('Oscillator Output (V)');

Acknowledgements This file inspired [Run Ngspice Simulation And Import Rawfile](#) and [Read Ngspice Mod.](#)**MATLAB release** MATLAB 7.7 (R2008b)**Other requirements** ngspice rework17**Tags for This File** [Please create a community profile](#) to tag files.[data import](#)
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13 Jan 2010 [Jas](#) Updated the regular expressions. The built-in assert in newer versions of matlab seems
[Condeley](#) to mess things up too, so use of the assert file found here is necessary.

Updated files can be found at:
<http://users.soe.ucsc.edu/~jas/matlab-ng/>

This works with the raw output of ngspice-19

18 May
2009

[KBT](#)
[WARKBT](#)

I modify the script to work on ngspice rework 18 the one that comes with fc10:

<http://www.mediafire.com/?mj2jn3k52iz>

I removed assert instructions to keep some backwards compatibility, and modify the way to read data + minor details.

At least for me ,it works ...

Hope it helps someone

02 May
2009

[Mehmet](#)
[Ali An1l](#)

I guess the code doesn't work with ngspice rework 19.
e.g.

```
>> [data,labels] = ReadNGSpice('rawfile.raw')
```

```
??? Error using ==> ReadNGSpice at 51
```

Assertion failed.

rawfile.raw is read by ngnutmeg.

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