輔助軟體介紹_GNU Octave

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GNU Octave

• 類似Matlab的command window

C: Octave 3.6.4	
GNU Octave, version 3.6.4 Copyright (C) 2013 John W. Eaton and others. This is free software; see the source code for copying conditions. There is ABSOLUTELY NO WARRANTY; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. For details, type `warranty'.	* III
Octave was configured for "i686-pc-mingw32".	
Additional information about Octave is available at http://www.octave.org	
Please contribute if you find this software useful. For more information, visit http://www.octave.org/get-involved.html	
Read http://www.octave.org/bugs.html to learn how to submit bug reports.	
For information about changes from previous versions, type 'news'.	
- Use `pkg list' to see a list of installed packages. - MSYS shell available (D:\Software\Octave-3.6.4\msys). - Graphics backend: gnuplot.	
octave-3.6.4.exe:1>	

• 索引

- 官方 http://www.gnu.org/software/octave/doc/interpreter/
- 中
 文教學 https://sites.google.com/site/octavetech/octave_introduction
- — 下載網址http://www.gnu.org/software/octave/download.html





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Apache/2.4.7 (Trisquel GNU/Linux) Server at ftp.gnu.org Port 443



Step 3

an octave source release and the availability of a package for a particular GNU/Linux distribution varies. The Octave project has no control over that

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Your donations help to fund continuing maintenance

tasks, development of new features and the organization

of Octave conferences.

Amount (USD)

OS X

The Wiki has some instructions for installing Octave on OS X systems.

Windows

Windows binaries with corresponding source code can be downloaded from https://ftp.gnu.org/gnu/octave/windows/

Sources

The latest released version of Octave is always available from ftp://ftp.gnu.org/gnu/octave.

process

基本指令

- clc: 清空command window
- clear:清空workspace
- who:顯示現存空間的所有變數
- whos:顯示現存空間的所有變數資訊

Demo

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						imshow esta					
	>> b = 2;						ve-Togo.png				
	>> whos					E% 2013/10/1	P+ 8:04 -				
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	ь	1 x 1	8	double			下午 1:56 -				
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						octave-3.6.4.exe:4> whos					
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	>> who					a 1x	1	8	double		
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							-				
					a b						
					octave	-3.6.4.exe:6> cl	ear				
					octave	octave-3.6.4.exe:7> who					
					octave-	3.6.4.exe:8>					

Demo

- >> A = [1 2 3; 4 5 6; 7 8 9; 10 11 12]; % 建立 4x3 的矩陣 A
- >> A(4,3) = 10000 將矩陣 A 第 4 列、第 3 行的元素值,改 變為 10000
- >> B = A(2:4,3) % 取出矩陣 A 的第2 至 第3 橫列、第三直行, 並儲存成矩陣 B
- >> C = [A; B'] % 將矩陣 B 轉置後、再以列向量併入矩陣 A
- >> C(:, 3) = [] % 刪除矩陣 A 第三行
- >> C([1,3:5],:)=1 %將第1,3,4,5列內所有元素指定為1
- >> C([1,3:5],:)=[] % 刪除第一、四列(:代表所有直行,[] 是空矩陣)