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**WRY-UMP-PhD Settings for octave-5.2.0 and octave-6.2.0 Ubuntu 20.04 LTS rt38**

1 message

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Fri, Mar 26, 2021 at 10:24 AM

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```
wruslan@hpelitebook8470p-ub2004-rt38:~$ date
Fri 26 Mar 2021 09:47:30 AM +08
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ uname -a
Linux hpelitebook8470p-ub2004-rt38 5.4.66-rt38 #1 SMP PREEMPT_RT
Sat Sep 26 16:51:59 +08 2020 x86_64 x86_64 x86_64 GNU/Linux
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ lsb_release -a
LSB Version: core-11.1.0ubuntu2-noarch;security-11.1.0ubuntu2-noarch
Distributor ID: Ubuntu
Description: Ubuntu 20.04.2 LTS
Release: 20.04
Codename: focal
wruslan@hpelitebook8470p-ub2004-rt38:~$
```

```
=====
OCTAVE-5.2.0 - compiled from sources
=====
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ ls -al ~/opt/apps
total 32
drwxr-xr-x  8 wruslan wruslan 4096 Mar 24 14:31 .
drwxrwxr-x 26 wruslan wruslan 4096 Mar 25 01:27 ..
drwxrwxr-x  3 wruslan wruslan 4096 Mar 22 17:06 atom-scilab
drwxr-xr-x  6 wruslan wruslan 4096 Jan 17  2020 cyclic_rt-tests
drwxrwxr-x  7 wruslan wruslan 4096 Mar 22 15:58 octave-5.2.0
drwxrwxr-x  7 wruslan wruslan 4096 Mar 22 16:09 octave-6.2.0
drwxr-xr-x  7 wruslan wruslan 4096 Mar 31  2015 scilab-5.5.2
drwxr-xr-x  7 wruslan wruslan 4096 Feb 25  2020 scilab-6.1.0
wruslan@hpelitebook8470p-ub2004-rt38:~$
wruslan@hpelitebook8470p-ub2004-rt38:~$ cd ~/opt/apps
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps$ cd octave-5.2.0/
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0$ ls -al
total 28
drwxrwxr-x 7 wruslan wruslan 4096 Mar 22 15:58 .
drwxr-xr-x 8 wruslan wruslan 4096 Mar 24 14:31 ..
drwxr-xr-x 2 root   root   4096 Mar 22 15:58 bin
drwxr-xr-x 3 root   root   4096 Mar 22 15:58 include
drwxr-xr-x 4 root   root   4096 Mar 22 15:58 lib
drwxr-xr-x 3 root   root   4096 Mar 22 15:58 libexec
drwxr-xr-x 8 root   root   4096 Mar 22 15:58 share
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0$ cd bin
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$ ls -al
total 6924
drwxr-xr-x 2 root   root   4096 Mar 22 15:58 .
drwxrwxr-x 7 wruslan wruslan 4096 Mar 22 15:58 ..
lrwxrwxrwx 1 root   root    15 Mar 22 15:58 mkoctfile-5.2.0
-rwxr-xr-x 1 root   root 5600448 Mar 22 15:58 mkoctfile-5.2.0
lrwxrwxrwx 1 root   root    12 Mar 22 15:58 octave -> octave-5.2.0
```

```
-rwxr-xr-x 1 root  root  277120 Mar 22 15:58 octave-5.2.0
lrwxrwxrwx 1 root  root    16 Mar 22 15:58 octave-cli -> octave-cli-5.2.0
-rwxr-xr-x 1 root  root  163624 Mar 22 15:58 octave-cli-5.2.0
lrwxrwxrwx 1 root  root    19 Mar 22 15:58 octave-config -> octave-config-5.2.0
-rwxr-xr-x 1 root  root 1032808 Mar 22 15:58 octave-config-5.2.0
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$
```

## COMMAND LINE VERSION

```
=====
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$ ./octave
GNU Octave, version 5.2.0
Copyright (C) 2020 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'.
```

Octave was configured for "x86\_64-pc-linux-gnu".

Additional information about Octave is available at <https://www.octave.org>.

Please contribute if you find this software useful.

For more information, visit <https://www.octave.org/get-involved.html>

Read <https://www.octave.org/bugs.html> to learn how to submit bug reports.

For information about changes from previous versions, type 'news'.

```
octave:1>
octave:1> 2 + 5
ans = 7
octave:2> ^Z^Z
[1]+  Stopped                  ./octave
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$
```

## GUI VERSION

```
=====
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$ ./octave --gui
....
.... <GUI Opens up properly> ....
....
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-5.2.0/bin$
```

## OCTAVE-6.2.0 - compiled from sources

```
=====
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps$ cd octave-6.2.0/
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0$
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0$ ls -al
total 28
drwxrwxr-x 7 wurslan wurslan 4096 Mar 22 16:09 .
drwxr-xr-x 8 wurslan wurslan 4096 Mar 24 14:31 ..
drwxr-xr-x 2 root  root  4096 Mar 22 16:09 bin
drwxr-xr-x 3 root  root  4096 Mar 22 16:09 include
drwxr-xr-x 4 root  root  4096 Mar 22 16:09 lib
drwxr-xr-x 3 root  root  4096 Mar 22 16:09 libexec
drwxr-xr-x 8 root  root  4096 Mar 22 16:09 share
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0$ cd bin
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$
wurslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$ ls -al
total 7032
drwxr-xr-x 2 root  root  4096 Mar 22 16:09 .
drwxrwxr-x 7 wurslan wurslan 4096 Mar 22 16:09 ..
lrwxrwxrwx 1 root  root    15 Mar 22 16:09 mkocfile -> mkocfile-6.2.0
```

```
-rwxr-xr-x 1 root  root  5699616 Mar 22 16:09 mkoctfile-6.2.0
lrwxrwxrwx 1 root  root      12 Mar 22 16:09 octave -> octave-6.2.0
-rwxr-xr-x 1 root  root  279456 Mar 22 16:09 octave-6.2.0
lrwxrwxrwx 1 root  root      16 Mar 22 16:09 octave-cli -> octave-cli-6.2.0
-rwxr-xr-x 1 root  root  170000 Mar 22 16:09 octave-cli-6.2.0
lrwxrwxrwx 1 root  root      19 Mar 22 16:09 octave-config -> octave-config-6.2.0
-rwxr-xr-x 1 root  root  1033176 Mar 22 16:09 octave-config-6.2.0
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$
```

#### COMMAND LINE VERSION

```
=====
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$ ./octave
GNU Octave, version 6.2.0
Copyright (C) 2021 The Octave Project Developers.
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'.
```

Octave was configured for "x86\_64-pc-linux-gnu".

Additional information about Octave is available at <https://www.octave.org>.

Please contribute if you find this software useful.

For more information, visit <https://www.octave.org/get-involved.html>

Read <https://www.octave.org/bugs.html> to learn how to submit bug reports.

For information about changes from previous versions, type 'news'.

```
octave:1>
octave:1> 2 * 7
ans = 14
octave:2> ^Z
[2]+  Stopped                  ./octave
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$
```

#### GUI VERSION : <https://octave.sourceforge.io/packages.php>

```
=====
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$ ./octave --gui
```

```
....
.... <GUI Opens up properly> ....
....
```

```
>>
```

```
>> pkg list
```

```
Package Name      | Version | Installation directory
```

```
-----+-----+-----
    arduino | 0.5.0 | /home/wruslan/octave/arduino-0.5.0
    control | 3.2.0 | /home/wruslan/octave/control-3.2.0
fuzzy-logic-toolkit | 0.4.6 | /home/wruslan/octave/fuzzy-logic-toolkit-0.4.6
    general | 2.1.1 | /home/wruslan/octave/general-2.1.1
instrument-control | 0.7.0 | /home/wruslan/octave/instrument-control-0.7.0
      io | 2.6.1 | /home/wruslan/octave/io-2.6.1
miscellaneous | 1.3.0 | /home/wruslan/octave/miscellaneous-1.3.0
      nan | 3.5.3 | /home/wruslan/octave/nan-3.5.3
    optim | 1.6.1 | /home/wruslan/octave/optim-1.6.1
  parallel | 4.0.1 | /home/wruslan/octave/parallel-4.0.1
    signal | 1.4.1 | /home/wruslan/octave/signal-1.4.1
    splines | 1.3.4 | /home/wruslan/octave/splines-1.3.4
statistics | 1.4.2 | /home/wruslan/octave/statistics-1.4.2
    struct | 1.0.17 | /home/wruslan/octave/struct-1.0.17
symbolic | 2.9.0 | /home/wruslan/octave/symbolic-2.9.0
    zeromq | 1.5.0 | /home/wruslan/octave/zeromq-1.5.0
```

```
>>
```

```
>> pkg install -forge data-smoothing
```

```
....
```

```
>> pkg list
```

Package Name	Version	Installation directory
-----+-----+-----		
arduino	0.5.0	/home/wruslan/octave/arduino-0.5.0
control	3.2.0	/home/wruslan/octave/control-3.2.0
data-smoothing	1.3.0	/home/wruslan/octave/data-smoothing-1.3.0
fuzzy-logic-toolkit	0.4.6	/home/wruslan/octave/fuzzy-logic-toolkit-0.4.6
general	2.1.1	/home/wruslan/octave/general-2.1.1
instrument-control	0.7.0	/home/wruslan/octave/instrument-control-0.7.0
io	2.6.1	/home/wruslan/octave/io-2.6.1
miscellaneous	1.3.0	/home/wruslan/octave/miscellaneous-1.3.0
nan	3.5.3	/home/wruslan/octave/nan-3.5.3
optim	1.6.1	/home/wruslan/octave/optim-1.6.1
parallel	4.0.1	/home/wruslan/octave/parallel-4.0.1
signal	1.4.1	/home/wruslan/octave/signal-1.4.1
splines	1.3.4	/home/wruslan/octave/splines-1.3.4
statistics	1.4.2	/home/wruslan/octave/statistics-1.4.2
struct	1.0.17	/home/wruslan/octave/struct-1.0.17
symbolic	2.9.0	/home/wruslan/octave/symbolic-2.9.0
zeromq	1.5.0	/home/wruslan/octave/zeromq-1.5.0

```
>>
```

```
>> pkg list
```

Package Name	Version	Installation directory
-----+-----+-----		
arduino	0.5.0	/home/wruslan/octave/arduino-0.5.0
control	3.2.0	/home/wruslan/octave/control-3.2.0
data-smoothing	1.3.0	/home/wruslan/octave/data-smoothing-1.3.0
database	2.4.4	/home/wruslan/octave/database-2.4.4
fuzzy-logic-toolkit	0.4.6	/home/wruslan/octave/fuzzy-logic-toolkit-0.4.6
general	2.1.1	/home/wruslan/octave/general-2.1.1
instrument-control	0.7.0	/home/wruslan/octave/instrument-control-0.7.0
io	2.6.1	/home/wruslan/octave/io-2.6.1
miscellaneous	1.3.0	/home/wruslan/octave/miscellaneous-1.3.0
nan	3.5.3	/home/wruslan/octave/nan-3.5.3
optim	1.6.1	/home/wruslan/octave/optim-1.6.1
parallel	4.0.1	/home/wruslan/octave/parallel-4.0.1
signal	1.4.1	/home/wruslan/octave/signal-1.4.1
splines	1.3.4	/home/wruslan/octave/splines-1.3.4
statistics	1.4.2	/home/wruslan/octave/statistics-1.4.2
struct	1.0.17	/home/wruslan/octave/struct-1.0.17
symbolic	2.9.0	/home/wruslan/octave/symbolic-2.9.0
zeromq	1.5.0	/home/wruslan/octave/zeromq-1.5.0

```
>>
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~/opt/apps/octave-6.2.0/bin$
```

```
=====
```

```
ALHAMDULILLAH 3 TIMES WRY.
```

```
=====
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ sudo apt update
```

```
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
```

```
Hit:2 http://dl.google.com/linux/chrome/deb stable InRelease
```

```
Hit:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease
```

```
Hit:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease
```

```
Hit:5 http://archive.ubuntu.com/ubuntu focal-security InRelease
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
All packages are up to date.
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ sudo updatedb
wruslan@hpelitebook8470p-ub2004-rt38:~$ sudo ldconfig
wruslan@hpelitebook8470p-ub2004-rt38:~$ sudo depmod -a
wruslan@hpelitebook8470p-ub2004-rt38:~$
```

```
wruslan@hpelitebook8470p-ub2004-rt38:~$ date
Fri 26 Mar 2021 10:12:05 AM +08
wruslan@hpelitebook8470p-ub2004-rt38:~$
```

#### CONSIDER RE-INSTALLING THE FOLLOWING

=====

After this operation, 52.8 MB disk space will be freed.

Do you want to continue? [Y/n] y

(Reading database ... 965450 files and directories currently installed.)

Removing octave-zeromq (1.5.0-2build1) ...

Removing octave-tsa (4.6.2-1) ...

Removing octave-communications (1.2.2-1build1) ...

Removing octave-communications-common (1.2.2-1build1) ...

Removing octave-dataframe (1.2.0-4) ...

Removing octave-doctest (0.7.0-2) ...

Removing octave-geometry (3.0.0-10build1) ...

Removing octave-gsl (2.1.1-3build1) ...

Removing octave-image (2.12.0-2) ...

Removing octave-image-acquisition (0.2.2-3build1) ...

Removing octave-interval:amd64 (3.2.0-5build1) ...

Removing octave-linear-algebra (2.2.3-1) ...

Removing octave-lssa (0.1.3-3build1) ...

Removing octave-ltfat (2.3.1+dfsg-3build1) ...

Removing octave-ltfat-common (2.3.1+dfsg-3build1) ...

Removing octave-mapping (1.2.1-5build2) ...

Removing octave-missing-functions (1.0.2-8) ...

Removing octave-mvn (1.1.0-2) ...

Removing octave-nlopt:amd64 (2.6.1-8ubuntu2) ...

Removing octave-nurbs (1.3.13-6build1) ...

Removing octave-plplot:amd64 (5.15.0+dfsg-12ubuntu1) ...

Removing octave-queueing (1.2.6-5) ...

Removing octave-sockets (1.2.0-5build1) ...

Removing octave-specfun (1.1.0-6) ...

Removing octave-strings (1.2.0-6build1) ...

Removing octave (5.2.0-1) ...

=====

--

WASSALAM

wruslandr