

**NeXT™ Mesa-OpenGL™**  
by  
**Pascal Thibaudeau**  
pthibaud@frbdx11.cribx1.u-bordeaux.fr  
pascal@galileo.slip.u-bordeaux.fr (NeXTMail OK)

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# Revision 1.2 1996/05/16 00:17:02 pascal thibaudeau  
# Mesa-1.2.8 fixed  
#  
# Revision 1.1 1996/03/02 15:03:07 pascal thibaudeau  
# Mesa-1.2.7 fixed  
# Initial revision  
#

## 1. Introduction

This is the README file for the NeXT version of the *Mesa* library.  
The file consists of information specific to the NeXT version of *Mesa*.  
For more general information please read the README file in the main *Mesa* directory.

## 2. Whats new?

See the general *Mesa* README for all new items in Mesa-1.2.8. This section will only discuss those items which are specific to the NeXT.

### 0.2 Release

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- Some tk functions are now supported.
- minor bugs are corrected.

## 0.1 Release

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- Off-Screen rendering buffer is read by `NXBitmapImageRep` function.
- 32bpp is directly supported.
- `WIDTH` and `HEIGHT` are statically defined.
- The window style is `NX_TITLEDSTYLE`.
- NeXT demos are straightforward ports of some book/ files.

## 3. The Distribution

NeXT *Mesa* is distributed in one form. This should make it easier to download only what you need. The package is as follows:

```
Mesa-1.2.8.tar.gz
```

This release contains the complete source to *Mesa* for the NeXT

## 4. Documentation

The *Mesa* WWW page is : <http://www.ssec.wisc.edu/~brianp/Mesa.html>

There is also a general WWW page related to OpenGL under NeXTSTEP:  
<http://www.cip.informatik.uni-erlangen.de/user/tsengel/>

## 5. Compiling Mesa

In order to compile NeXT *Mesa* you need the following items:

```
NEXTSTEP Developer Kit Release 3.3  
NeXT Mesa-1.2.8 (source)
```

The project files included with the NeXT *Mesa* source should work fine. The only things you may need to update are the access paths.

Simply typing "make next" should compile Mesa and a number of NeXT demo programs found in the NeXT/ directory. This was tested on a i386,m68k running NEXTSTEP 3.3.

## 6. Test suite

The NeXT version of *Mesa* does not pass many of the tests in the demos or samples suites. This is primarily due to dependencies in the suites on the size of particular X fonts, and other X related features. We will be working on developing a more general NeXT suite for *Mesa* under the NeXT, but for now, you will not be able to pass many of the tests. It is, however, much better than the alpha release!

## 7. NeXT Mesa Mailing List

If you want to subscribe to the *Mesa* Mailing List, please send the following message to the address `listproc@iqm.unicamp.br`

```
subs mesa <your name>
```

For example:

```
subs mesa Pascal Thibaudeau
```

You will receive a welcome message from the list server when you have been added to the list. It tells you how to post messages to the list, how to unsubscribe, etc. Thanks to Pedro Vazquez for setting up the list.

## 8. Acknowledgements

I would also like to thank the following contributors :

Thomas Engel <tomi@shinto.nbg.sub.org>: GNU3DKit Project  
Gregor HOFFleit <flight@mathi.uni-heidelberg.DE>: GNU3DKit Project

If you have comments or Bug reports don't hesitate to send them to:  
Pascal Thibaudeau  
[pthibaud@frbdx11.cribx1.u-bordeaux.fr](mailto:pthibaud@frbdx11.cribx1.u-bordeaux.fr)  
[pascal@galileo.slip.u-bordeaux.fr](mailto:pascal@galileo.slip.u-bordeaux.fr) (NeXTMail OK)