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19 March 2018

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2. JOGL
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    2.2. Sun Microsystems (BSD 3-clause license)
    2.3. Silicon Graphics (Free Software license)
    2.4. LWJGL (BSD 3-clause license)
    2.5. Tile Rendering Library - Brian Paul (BSD 3-clause license)
    2.6. OpenKODE, EGL, OpenGL, OpenGL ES1 & ES2 - Khronos Group
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1 JogAmp Ardor3D Continuation

Version: 1.0
Date: 11Jul2014
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```
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 */
```

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Version: 2.3.1
Date: 06May2015
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make/stub_includes/egl/**
make/stub_includes/khr/**
make/stub_includes/openmax/**

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2.8 Typecast - David Schweinsberg

Typecast is a font development environment for OpenType font technology.

<https://java.net/projects/typecast>

Author: David Schweinsberg

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 src/jogl/classes/jogamp/graph/font/typecast/tt/engine/*

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2.9 PNGJ - Hernan J. Gonzalez and Shawn Hartsock

PNGJ: Java library for reading and writing PNG images.

Version 1.12 (3 Dec 2012)

<http://code.google.com/p/pngj/>

Author: Hernan J. Gonzalez and Shawn Hartsock

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src/jogl/classes/jogamp/opengl/util/pngj/**

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2.10 JOGL Portions - Apache Harmony

Open Source Java SE
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<http://harmony.apache.org/>

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Files:
src/jogamp/graph/geom/plane/AffineTransform.java
src/jogamp/graph/geom/plane/IllegalPathStateException.java
src/jogamp/graph/geom/plane/NoninvertibleTransformException.java
src/jogamp/graph/geom/plane/PathIterator.java
src/jogamp/graph/geom/plane/Path2D.java
src/jogamp/graph/math/plane/Crossing.java
src/org/apache/harmony/misc/HashCode.java

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3.0 Guava

Version: 18.0
Date: 25Aug2014
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License URL: https://github.com/google/guava/blob/master/guava/src/com/google/common/annotations/package-info.java

```
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4.0 GlueGen

Version: 2.3.1
Date: 06May2015
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<http://harmony.apache.org/>

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- src/java/com/jogamp/common/net/Uri.java
  (derived from java.net.URI.Helper and heavily modified)

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5.0 JPEG

Version: 9c
Date: 14Jan2018
License: JPEG
License URL: http://www.ijg.org

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Date: 05Feb2013
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7.0 LibTIFF

Version: 4.0.3
Date: 07Jan2013
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Acknowledgements
The libtiff software was written by Sam Leffler while working for Silicon Graphics.
The LZW algorithm is derived from the compress program (the proper attribution is included in the source code). The Group 3 fax stuff originated as code from Jef Poskanzer, but has since been rewritten several times. The latest version uses an algorithm from Frank Cringle -- consult libtiff/mkg3states.c and libtiff/tif_fax3.h for further information. The JPEG support was written by Tom Lane and is dependent on the excellent work of Tom Lane and the Independent JPEG Group (IJG) who distribute their work under friendly licensing similar to this software. Joris Van Damme implemented the robust Old JPEG decoder (as included in libtiff since version 3.9.0, there was another Old JPEG module in older releases, which was incomplete and unsuitable for many existing images of that format). JBIG module was written by Lee Howard and depends on JBIG library from the Markus Kuhn. Many other people have by now helped with bug fixes and code; a few of the more persistent contributors have been:

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