

chem-bla-ics

Classpath 0.90 makes the Jmol application run

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Keywords

Jmol, Inchikey:SLMFWJQZLPEDDU-UHFFFAOYSA-N

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A few days back, [Classpath 0.90](#) was released, the first release after the 0.20 release. Earlier Classpath releases [could run the rendering engine](#), but [running the application failed so far](#).

Today it hit Debian unstable, so upgrade my sid32 chroot and had [Cacao](#) run Jmol. I had some memory issues opening a small molecule (4-methyl-2-pentyne), and the rendering speed was a factor 100 or so slower than Sun's JVM, but it runs!

Using the command `cacao -Xmx512M -jar Jmol.jar triplebond.mol` I got results.

Note the exceptions copied to the console. Many thanx to the Classpath team!

The stacktrace:

The full stack trace:

```
java.lang.IllegalArgumentException: width<=0 height<=0
at java.awt.image.SampleModel. (SampleModel.java:63)
at java.awt.image.SinglePixelPackedSampleModel.
(SinglePixelPackedSampleModel.java:61)
at java.awt.image.SinglePixelPackedSampleModel.
(SinglePixelPackedSampleModel.java:55)
at org.jmol.g3d.Swing3D.allocateImage (Swing3D.java:65)
at org.jmol.g3d.Platform3D.allocateBuffers (Platform3D.java:102)
at org.jmol.g3d.Graphics3D.beginRendering (Graphics3D.java:697)
at org.jmol.viewer.Viewer.render1 (Viewer.java:1840)
at org.jmol.viewer.Viewer.renderScreenImage (Viewer.java:1798)
at org.openscience.jmol.app.DisplayPanel.paint (DisplayPanel.java:100)
at javax.swing.JComponent.paintChildren (JComponent.java:1659)
at javax.swing.JComponent.paint (JComponent.java:1564)
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at javax.swing.JComponent.paintChildren (JComponent.java:1659)
at javax.swing.JComponent.paint (JComponent.java:1564)
at javax.swing.JLayeredPane.paint (JLayeredPane.java:647)
at javax.swing.JComponent.paintChildren (JComponent.java:1659)
at javax.swing.JComponent.paint (JComponent.java:1564)
at javax.swing.JComponent.paintDoubleBuffered (JComponent.java:1782)
at javax.swing.JComponent.paint (JComponent.java:1555)
at java.awt.Container$GfxPaintVisitor.visit (Container.java:1888)
at java.awt.Container.visitChild (Container.java:1703)
at java.awt.Container.visitChildren (Container.java:1674)
```

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```
at java.awt.Container.paint (Container.java:770)
at gnu.java.awt.peer.gtk.GtkWindowPeer.handleEvent (GtkWindowPeer.java:268)
at java.awt.Component.dispatchEventImpl (Component.java:4968)
at java.awt.Container.dispatchEventImpl (Container.java:1723)
at java.awt.Window.dispatchEventImpl (Window.java:626)
at java.awt.Component.dispatchEvent (Component.java:2320)
at java.awt.EventQueue.dispatchEvent (EventQueue.java:474)
at java.awt.EventDispatchThread.run (EventDispatchThread.java:60)
at java.lang.VMThread.run (VMThread.java:121)
```

References