Subject: AtomEye From: Branden Kappes <br/> <br/>bkappes@mines.edu><br/>Date: Thu, 17 Apr 2008 17:20:53 -0600<br/>To: liju@seas.upenn.edu

Dr Li

I am a Ph.D. student at the Colorado School of Mines and, up until recently, I have been using RasMol to visualize my MD/MC simulation results when my advisor (Dr. Moneesh Upmanyu) suggested AtomEye.

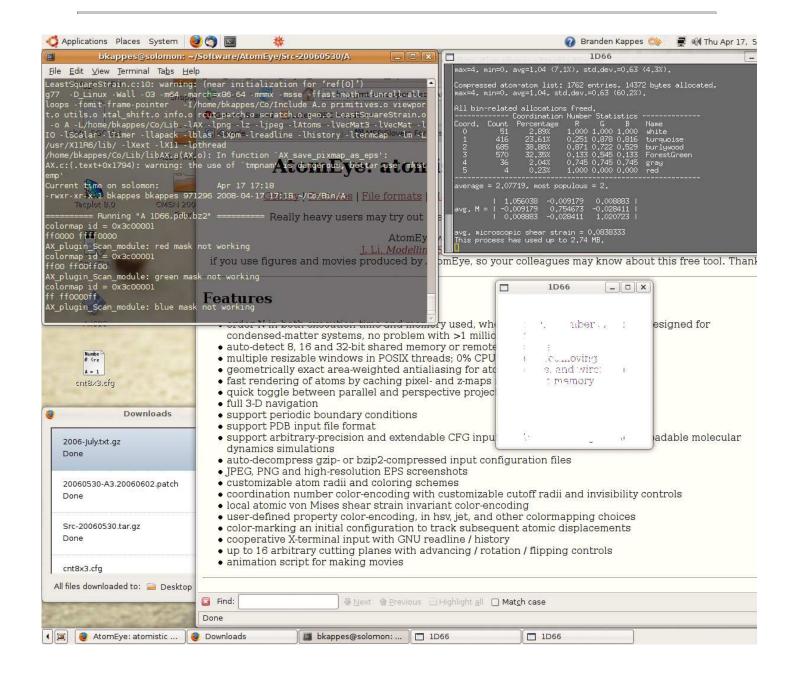
I have used it without trouble on my PowerBook G4, but when I use the i686 binary or compile from source on my Linux box (running Ubuntu 7 "Gutsy Gibbon" on an AMD 64-bit Opteron) I get the following errors:

<quote>
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colormap id = 0x3e00001
ff0000 ffff0000
AX\_plugin\_Scan\_module: red mask not working
colormap id = 0x3e00001
ff00 ff00ff00
AX\_plugin\_Scan\_module: green mask not working
colormap id = 0x3e00001
ff ff00000ff
AX\_plugin\_Scan\_module: blue mask not working

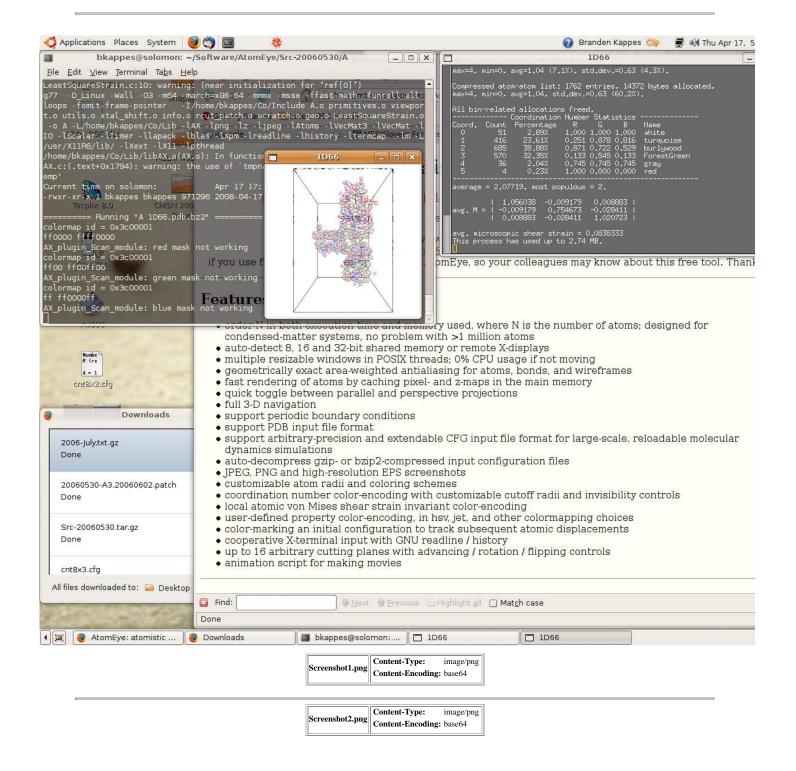
At this point AtomEye continues to run, but only white is fully opaque (presumably). In front of a semi-transparent xterm window, the colors of the atoms are visible, but partially transparent. In front of an opaque window, the atoms are completely transparent. I tried to hack the AtomEye code, but I have no experience with programming for XII. I was able to eliminate the error messages quoted above by adding an alpha mask to AX\_pixel in AX.h, but I could not resolve the transparency issue. I have taken a couple screenshots that demonstrate this and have included them in this email.

Any help you can provide would be greatly appreciated.

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