Phoronix Premium: Ad-Free Browsing

Computers
Display Drivers
Graphics Cards
Motherboards
Peripherals
Processors
Software
Linux Gaming
Linux Distributions
Operating Systems
Event Coverage
All Categories

Phoronix Media
RadeonHD.org
Cekora.com
Phoromatic
Phoronix Test Suite

Featured Links
Data Recovery Software
Free Trial for Anonymous Surfing Service

Affiliates
Dedicated Server
Web Hosting
Dedicated Servers

Latest Featured Content

ATI Radeon HD 5450 On Linux

October 04, 2010 -- While AMD soon will be introducing the Radeon HD 6000 graphics cards, there is still plenty of life left to the Radeon HD 5000 series especially for those interested in open-source support with the Evergreen GPUs finally being supported by the open-source driver stack complete with OpenGL acceleration via a Mesa driver and this support will continue to mature before there is the same level of support for the next-generation Southern Island GPUs in the open-source world. In this article we are reviewing the ATI Radeon HD 5450 "Cedar" graphics card, which is AMD's lowest-end Evergreen GPU but will set you back less than $50 USD.

ATI R600 Classic Mesa 7.9 Performance

October 01, 2010 -- As we have talked about in numerous articles now and delivered various benchmarks for different graphics processors from those using a classic Mesa DRI driver to the newer NVIDIA/ATI hardware with Gallium3D support, Mesa 7.9 brings a lot to the table. There are many new features to be found in Mesa 7.9 for all drivers, but in this article, we are specifically looking to see how the OpenGL performance of the classic R600 driver has changed compared to Mesa 7.7 and Mesa 7.8.

Is Fedora's Boot Time Increasing?

September 29, 2010 -- The last time we closely examined the boot performance of Fedora Linux was in 2008 when comparing the boot times from Fedora Core 4 through Fedora 8. However, with more distributions taking pride in recent months over shortening their boot time -- with Canonical for example having worked towards a ten second Ubuntu boot time -- we decided to see how long it's taking Fedora to put its hat on these days. With the three Intel notebooks we used from our recent Fedora power consumption review, we measured the boot times using Bootchart on the Fedora 10, 11, 12, 13, and 14 Alpha releases.

Intel Mesa 7.9 Benchmarks

September 27, 2010 -- With Mesa 7.9 just around the corner and it sporting a new GLSL compiler, support for new OpenGL extensions, and months worth of other changes to core Mesa and its drivers, we decided to run some benchmarks of the latest Intel Arrandale graphics processor with the past few Mesa releases to see how the performance compares. We also have ATI and Nouveau Mesa benchmarks on the way.

Running An Encrypted LVM In Ubuntu 10.10

September 25, 2010 -- Back with Ubuntu 7.10 an option was added to Ubuntu's alternate CD installer to easily setup an encrypted LVM during the Ubuntu installation process. This would better protect your personal data in the case your laptop or mobile device was ever stolen or misplaced as the Ubuntu Linux installation cannot boot if the encrypted LVM cannot be mounted with the encryption pass-phrase. Of course, encrypting the entire root partition can cause a performance penalty as some of our earlier results have shown while introduced in Ubuntu 9.04 was support for home encryption where only your SWAP and home folder is encrypted and this is done using eCryptfs. This continues to be Canonical's preferred method of encrypting user data with it being available from the standard Ubuntu installer while even three years later only the install-time encrypted LVM support can be accessed from their alternate installer. For those serious about encrypting their disk drive on Linux, we have new benchmarks from Ubuntu 10.10 showing how an encrypted LVM will affect your file-system performance.

Is Linux Power Management Getting Better Or Worse?

September 23, 2010 -- With three laptops representing different generations of mobile hardware, we loaded up the past four stable releases of Fedora Linux plus the most recent Fedora 14 Alpha release and then carried out an arsenal of tests looking at how the battery power consumption rate has changed since 2008. If you are concerned at all about running Linux on your battery-powered mobile devices, this article is worth reading.

Direct3D 10/11 Is Now Natively Implemented On Linux!

September 21, 2010 -- It's a pity Luca Barbieri or any Mesa / Gallium3D developers are not at Oktoberfest as they are deserving of more than a few Maß of Augustiner. In fact, today a new Gallium3D state tracker was pushed into Mesa and it's perhaps the most interesting state tracker for this open-source graphics driver architecture yet. It's a state tracker that exposes Microsoft's DirectX 10/11 API on Linux! And it's already working and can be hooked into Wine!

2010 XDS Toulouse

September 20, 2010 -- The X.Org Developers' Summit in Toulouse finished up over the weekend. It is now time for PhoronixFest at Oktoberfest in Munich, but here is a recap of what was discussed at this French X.Org event along with some photos.

Mesa 7.4 Through Mesa 7.9 Benchmarks

September 17, 2010 -- Over the next few weeks there are a number of new Phoronix benchmarks to be published concerning the performance of Mesa 7.9 for both the Mesa classic and Gallium3D drivers from the different GPU vendors. Included in those tests will be new Intel Mesa benchmarks of

Advertisement

Latest Phoronix News

Mesa 7.9 Has Now Been Released
October 04 - YES!
Enlightenment Foundation Libraries 1.0 Hit Beta
October 03 - EFL 1.0 Goes Beta
GCC 4.4.5 Brings Bug-Fixes
October 03 - Nothing Too Exciting
X.Org Server 1.9.1 Is Approaching; RC1 Released
October 03 - Point Release
Observations On Long-Term Performance/Regression Testing
October 02 - Regression Tracking
Lightspark May Work Towards A Gallium3D State Tracker
October 02 - Interesting
Wine 1.3.4 Adds New Features, Supports ARM
October 02 - Development Release
GTK+3 Completes Its Rendering Clean-Up
October 02 - GTK+ 2.91.0 Released
Google Comes Up With Its Own Image Format: WebP
October 01 - Better Image Compression
Primal Carnage Says Goodbye To Unigine
September 30 - What A Pity....
A Sighting From Oktoberfest
September 30 - Something New
Hello To GNOME 2.32!
September 29 - It's Here!
The ATI R600g Driver Gets Boosted By A New Design
September 29 - Many Improvements
Linux 2.6.36-rc6 Kernel Released
September 29 - The End Is Near
Fedora 14 Beta Is Now Available
September 28 - Download It Now!
LibreOffice Is The New OpenOffice.org
September 28 - Replacements...
A New ATI X.Org Driver Has Been Released
September 28 - xf86-video-ati 6.13.2
Mesa 7.9 Makes It To The Release Candidate Stage
September 28 - It's On The Way

More News | **News Archives** | **Today's IRC**

Popular In The Forums

AMD's UVD2-based XvBA Finally Does Something On Linux
AMD/ATI Linux - 936 Comments
KDE 4.5.1 rocks
Desktop Linux - 64 Comments
S3TC => r600{c,g}
Open-Source AMD/ATI Linux - 68 Comments
LL_10.04 has **not exited low.beta status**
Desktop Linux - 40 Comments
Questions about Eyefinity + 3 monitors
AMD/ATI Linux - 22 Comments
ATI Radeon HD 5450 On Linux
Phoronix Articles / RSS Feeds - 46 Comments
Wishlist for Porting Projects (Pt. 2)
Gaming - 731 Comments
Open-source CAD programs
General Discussion - 19 Comments
ATI R600 Gallium3D Driver Continues Advancing
Open-Source AMD/ATI Linux - 136 Comments
What is the best way to install ati drivers.
AMD/ATI Linux - 13 Comments
Enlightenment Foundation Libraries 1.0 Hit Beta
Phoronix Articles / RSS Feeds - 13 Comments
Steel Storm Episode I is out !!!
Gaming - 59 Comments

Support Phoronix When Shopping

In addition to supporting our site through our