
Subject: : AmigaOS4

Topic: : Mplayer AltiVec test version for G4 and PA6T-1682M

Re: Mplayer AltiVec test version for G4 and PA6T-1682M

Author: : Hans

Date: : 2014/4/5 10:19:16

URL:

@LiveForIt

Quote:

There are some differences between cgx_wpa and comp output.

First difference I use ARGB bitmap, not RGB bitmap, this does not effect the X1000 at all, at lest not on my computer. But it might effect computers whit slower RAM bus.

13% more data is need to be sent to the graphic card, your result show that the bus speed is the bottleneck.

I realise that this is from an old post, but using a 24-bit RGB bitmap won't save on bandwidth because the destination bitmap is 32-bit ARGB.** Writing 3 bytes and then skipping one across the PCI(e) bus would be hideously slow, so it has to be converted to ARGB first, and then copied.

Hans

** Graphics cards don't like 24-bit bitmaps, because the pixels aren't nicely aligned to 32-bit boundaries.