

driver/xf86-video-ati

yesterday, today, and tomorrow

yesterday – the old driver

- hardcoded crtc to output mappings
- 2 output limit
- connector table “parsing” attempted to map connectors to crtcs to match the hardcoded driver assumptions
- mergedfb – a driver based randr-like hack

today – current git

- full randr 1.2 support
- all outputs supported (Primary DAC, TV DAC, TMDS, LVDS, DVO*, TV Encoder)
- initial support for mac laptops

tomorrow – near term

Sort of my todo list for the next few weeks...

RMX

- panel scaler
- RMX modes
 - full
 - center
 - aspect

DVO

- DVO connected external components
 - DACs, TMDS, etc.
- external TMDS
- x86 legacy bios external TMDS table
- driver init vs. standalone DVO drivers

non-vbe posting

- secondary cards
- non-x86 platforms
- suspend/resume
- legacy bios and ATOM bios

ATOM bios

- despite “bios” is not vbe
- non-vbe posting
- modesetting

r128

- 99% radeon
- removes extra driver
- randr, exa, etc. for free
- Xv, accel

“ati”

- split ati into radeon and mach64?

odds and ends

- fix composite transforms for r1xx/r2xx so rotation is fast
- add more tv-out modes
- fix PAL
- bugs

day after tomorrow

longer term stuff

ttm

- needs drm support
- experimental work by dave

r3xx/r4xx composite

- render
- rotation

PCI rework

- needs to be done.

kernel modesetting

- needs drm support
- modesetting-101, etc.

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Questions?