etnaviv status update
whoami

Christian Gmeiner

Long term etnaviv developer
agenda

History
State
CI
Future
History
History

2012: Wladimir J. van der Laan started

2013 Okt: I contributed the first patch

2014 Feb: got basic stuff working on GC2000
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2012: Wladimir J. van der Laan started
2013 Okt: I contributed the first patch
2014 Feb: I got basic stuff working on GC2000
2014: devs started to look into own kernel driver
2015 Dez: etnaviv driver landed in the kernel (4.4)
2017 Feb: etnaviv driver landed in mesa 17.0
State
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Supported GPUs

- GC600 (STMicroelectronics STM32MP157C)
- GC860 (Ingenic JZ4770 MIPS: GCW Zero)
- GC880 (Freescale i.MX 6 DualLite)
- GC2000 (Freescale i.MX 6 Quad)
- GC3000 (Freescale i.MX 6 Quad Plus)
- GC7000L (Freescale i.MX 8 M)

and many more...
State

GLES 2 driver

Desktop GL 1.3 or 2.0 with NIR

TGSI preferred over NIR

Shipped with distros

not that many developers - sadly

it works mostly
glmark2 results

imx6q:
  binary: 239.1  etnaviv: 226.5  95%

imx6qp:
  binary: 373.8  etnaviv: 384.8  103%

imx8m:
  binary: 570.0  etnaviv: 625.6  110%
more testing for patches is needed

baremetal based

unraid based NAS for gitlab-runner

ser2net for console logging (rpi)

eth based power control
what is missing to go live?

- disk shader cache
- vlan setup

getting it a little bit more stable

hook up some more devices
Future
Future

NIR

GLES3 support

fixing broken stuff on different GPUs

and much more
Thank you!