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## GPU troubleshooting grid



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Some typical issues related to the **GPU** framework are listed below. Solutions or debugging methods are proposed for these issues.

If your issue is not listed, try also looking in the articles in the **GPU** or **troubleshooting grids** categories.

Symptom	Resolution
<pre>[ 45.679109] Unhandled fault: imprecise external abort (0xc06) at 0xae1a0000 [ 45.684628] pgd = d1e98000 [ 45.687334] [ae1a0000] *pgd=d1e9f835, *pte=f8000747, *ppte=f8000c37 [ 45.693842] Unhandled fault: imprecise external abort (0xc06) at 0xae1a0000 [ 45.700480] pgd = d1dc0000 [ 45.703156] [ae1a0000] *pgd=00000000</pre>	<p>Maybe the <b>GPU reserved memory</b> area in the kernel device tree is not <i>aligned</i> with the board DDR memory size, please have a look at the "gpu_reserved" entry in the kernel device tree, and update it if necessary.</p>

Graphics Processing Units

Doubledata rate (memory domain)

Stable: 19.03.2021 - 16:08 / Revision: 16.03.2021 - 17:22

**Invalid target:** no reviewed revision corresponds to the given ID.

Return to [Category:GPU](#).



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## Pages in category "GPU"

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The following 11 pages are in this category, out of 11 total.

### E

- [EGL backends](#)
- [EGL texture 0-copy](#)

### G

- [GPU device tree configuration](#)
- [GPU troubleshooting grid](#)

### H

- [How to launch glmark2 benchmark](#)
- [How to launch Khronos OpenGL ES conformance tests](#)
- [How to monitor the GCNANO GPU load](#)
- [How to test and benchmark OpenGL ES](#)

### O

- [OpenGL ES overview](#)
- [OpenVG overview](#)

### V

- [Vivante GCNANO GPU overview](#)

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[Return to Category:Troubleshooting grids.](#)



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## Pages in category "Troubleshooting grids"

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The following 9 pages are in this category, out of 9 total.

### A

- [ALSA troubleshooting grid](#)
- [Audio troubleshooting grid](#)

### C

- [Coprocessor management troubleshooting grid](#)

### D

- [DRM KMS troubleshooting grid](#)

### G

- [GPU troubleshooting grid](#)
- [GStreamer troubleshooting grid](#)

### N

- [Networking troubleshooting grid](#)

### V

- [Visual troubleshooting grid](#)

### W

- [Wayland Weston troubleshooting grid](#)