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## GPU troubleshooting grid



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)