

Graphics: Gallium3D and AMDGPU

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Created *19/10/2019 - 4:00pm*

Submitted by Roy Schestowitz on Saturday 19th of October 2019 04:00:08 PM Filed under [Graphics/Benchmarks](#) [1]

- [Gallium3D's Mesa State Tracker Sees "Mega Cleanup" For NIR In Mesa 19.3](#) [2]

AMD developer Marek Olšák has landed a "mega cleanup" to the Gallium3D Mesa state tracker code around its NIR intermediate representation handling.

As part of getting the NIR support in good enough shape for default usage by the RadeonSI driver, Marek has been working on a number of clean-ups involving the common Gallium / Mesa state tracker code for NIR.

- [AMDGPU DC Looks To Have PSR Squared Away - Power-Savings For Newer AMD Laptops](#) [3]

It looks like as soon as Linux 5.5 is where the AMDGPU kernel driver could be ready with Panel Self Refresh (PSR) support for enabling this power-savings feature on newer AMD laptops.

While Intel's Linux driver stack has been supporting Panel Self Refresh for years, the AMD support in their open-source Linux driver code has been a long time coming. We've seen them working towards the support since Raven Ridge and now it appears the groundwork has been laid and they are ready to flip it on within the Display Core "DC" code.

[Graphics/Benchmarks](#)

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[1] <http://www.tuxmachines.org/taxonomy/term/148>

[2] https://www.phoronix.com/scan.php?page=news_item&px=Gallium-Mesa-ST-Mega-NIR-Clean

[3] https://www.phoronix.com/scan.php?page=news_item&px=AMDGPU-DC-PSR-Patches-Ready