

## GROMACS - Task #2528

### PME GPU tuning

05/28/2018 03:19 PM - Aleksei lupinov

<b>Status:</b>	New
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Category:</b>	
<b>Target version:</b>	future
<b>Difficulty:</b>	hard
<b>Description</b>	
Currently PME kernels are preferring block sizes which were set long ago (c_[spread/gather/solve]MaxWarpsPerBlock). These should be specialized for OpenCL. Actually, could be looked at again for CUDA as well. Actually, it should be a recurring pre-release task, not just for PME :-). As long as anyone steps up.	

#### Associated revisions

##### Revision 442845fd - 05/31/2018 09:10 AM - Aleksei lupinov

Gather the PME GPU constants/macros in a single header

Those will be translated to defines by the OpenCL kernel compiler.

Refs #2453, #2528

Change-Id: I03062c908db6dad9bbc8c62accdc4707b03ff527

#### History

##### #1 - 05/29/2018 02:57 PM - Mark Abraham

I suggest we re-work this redmine into that set of recurring tasks

##### #2 - 05/29/2018 03:08 PM - Gerrit Code Review Bot

Gerrit received a related patchset '6' for Issue [#2528](#).

Uploader: Mark Abraham ([mark.j.abraham@gmail.com](mailto:mark.j.abraham@gmail.com))

Change-Id: gromacs~master~I03062c908db6dad9bbc8c62accdc4707b03ff527

Gerrit URL: <https://gerrit.gromacs.org/7861>

##### #3 - 12/28/2018 12:39 PM - Paul Bauer

Is this still targeted at 2019?

##### #4 - 12/31/2018 11:18 AM - Paul Bauer

- Target version changed from 2019 to future

retargeted to future