

GROMACS - Bug #2681

clang-6 native CUDA undefined template warnings

10/09/2018 12:21 PM - Szilárd Páll

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	mdrun	
Target version:	2019	
Affected version - extra info:		Difficulty: uncategorized
Affected version:	git master	

Description

clang 6 in native CUDA mode issues a number of -Wundefined-func-template warnings that need to be solved before we can bump the clang version in the post-submit matrix (<https://gerrit.gromacs.org/#/c/8502/>)

The full list of warnigns:

http://jenkins.gromacs.org/job/Matrix_OnDemand/505/OPTIONS=clang-6%20simd=sse4.1%20openmp%20nranks=1%20gpuhw=nvidia%20cuda-9.0%20clang_cuda%20host=bs_nix1204,label=bs_nix1204/warnings26Result/

Some examples:

```
pme-gpu-internal.cpp:387, GNU C Compiler 4 (gcc), Priority: Normal
instantiation of function 'initParamLookupTable' required here, but no definition is available [-W
undefined-func-template]
```

```
nbnxn_cuda.cu:558, GNU C Compiler 4 (gcc), Priority: Normal
instantiation of function 'nbnxn_kernel_prune_cuda' required here, but no definition is available
[-Wundefined-func-template]
```

Associated revisions

Revision 97fe7d2f - 10/14/2018 06:26 PM - Szilárd Páll

Fix more clang-6 warnings in CUDA code

Fixes #2681

Change-Id: lc1e096328687e53ca814034c4c3eb8db40db46df

History

#1 - 10/14/2018 10:45 AM - Gerrit Code Review Bot

Gerrit received a related patchset '4' for Issue [#2681](#).

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

Change-Id: gromacs~master~lc1e096328687e53ca814034c4c3eb8db40db46df

Gerrit URL: <https://gerrit.gromacs.org/8509>

#2 - 10/14/2018 10:46 AM - Mark Abraham

There was another two lines to the messages - clang just wanted extern template declarations for the cases we intend to use and define elsewhere.

#3 - 10/14/2018 06:30 PM - Szilárd Páll

- Status changed from New to Resolved

Applied in changeset [97fe7d2f1f7b101a55c3c7db4b32b4014b1ad0d2](#).

#4 - 10/15/2018 05:22 PM - Mark Abraham

- Status changed from Resolved to Closed