Gromacs - Task #1250
ffopen/ffclose functions name clashes

05/14/2013 08:20 PM - Rossen Apostolov

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Low</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Rossen Apostolov</td>
</tr>
<tr>
<td>Category:</td>
<td>mdrun</td>
</tr>
<tr>
<td>Target version:</td>
<td>5.0</td>
</tr>
</tbody>
</table>

Description
As reported by Ake Sandgren:

Found a problem in gromacs 4.6.1

The ffopen/ffclose functions used clashes with functions that already exist in some compiler libraries and also with the already existing ffopen/ffclose function (https://fs.hlrs.de/projects/craydoc/docs/man/ffiom/72/cat3/ffopen.3c.html)

I temporarily renamed them here.

Associated revisions
Revision cd03ec72 - 02/20/2014 02:44 PM - Rossen Apostolov

Rename ffopen and ffclose to gmx_ff*.

There are name clashes with e.g. PathScale compiler.

Fixes #1250.

Change-Id: l3e5e85d9335f2695515483d59d440276823624f0

History

#1 - 05/15/2013 12:21 AM - Mark Abraham

I expect we can make this go away during the transition to 5.0, but I think we will leave 4.6.x alone.

#2 - 05/17/2013 11:47 AM - Szilárd Páll

Which are the compilers clashes are observed with?

#3 - 05/17/2013 12:45 PM - Rossen Apostolov

It's pathscale

#4 - 05/17/2013 04:09 PM - Szilárd Páll

Last time I checked Pathsacle mis-compiled the SIMD kernels so unless all regression test pass, ATM it is not even worth considering a fix.

#5 - 06/26/2013 01:32 AM - Mark Abraham

- Tracker changed from Bug to Task
- Assignee changed from Berk Hess to Mark Abraham
- Priority changed from Normal to Low
- Target version set to 5.x
While refactoring, consider avoiding these names to work around compilers that are too broken to support an unpolluted C namespace.

#6 - 02/11/2014 12:51 PM - Rossen Apostolov
shall we rename those for 5.0?

#7 - 02/11/2014 11:30 PM - Mark Abraham
Yeah sed to gmx_ff* seems straight forward.

#8 - 02/12/2014 10:08 AM - Rossen Apostolov
ok, i'll fix it then.

#9 - 02/12/2014 10:33 AM - Gerrit Code Review Bot
Gerrit received a related patchset '1' for Issue #1250.
Uploader: Rossen Apostolov (rossen@kth.se)
Change-id: I3e5e85d9335f2695515483d59e440276823624f0
Gerrit URL: https://gerrit.gromacs.org/3139

#10 - 02/20/2014 04:45 PM - Rossen Apostolov
- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset cd03ec72a1461df5bca9f3ef3522176a5646944.

#11 - 02/24/2014 11:00 AM - Rossen Apostolov
- Status changed from Resolved to Closed

#12 - 07/15/2014 06:31 AM - Teemu Murtola
- Assignee changed from Mark Abraham to Rossen Apostolov
- Target version changed from 5.x to 5.0