Gromacs - Bug #1283
minor improvements to BGQ toolchain files
06/16/2013 10:03 PM - Jeff Hammond

Status: Closed
Priority: Normal
Assignee: Mark Abraham
Category: build system
Target version: 
Affected version: git master

Description
From patch description:
when using either the C or C++ toolchain, the complimentary compiler is
not properly identified, rather /usr/bin/g{cc,++} is, which may cause
configuration problems. this patch fixes this issue.

ALCF strongly recommends the use of -O3 unless there is clear evidence
that higher optimization has a (positive) effect on the quality of the
code generation from XL. we find that XL frequently generates no faster
and even slower code with -O4 and -O5 unless the code is specifically
designed to be optimized for BGQ.

Associated revisions
Revision 6fd98a01 - 06/17/2013 12:07 AM - Jeff Hammond
Define both C and C++ compilers in BGQ toolchains; use -O3

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not properly identified, rather /usr/bin/g{cc,++} is, which may cause
configuration problems. this patch fixes this issue.

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and even slower code with -O4 and -O5 unless the code is specifically
designed to be optimized for BGQ.

Fixes #1283
Change-Id: If32a507c6394e23106555741bdefbc0d554c3765

History
#1 - 06/20/2013 04:15 PM - Jeff Hammond
- Status changed from New to Resolved
- % Done changed from 0 to 100
Applied in changeset 6fd98a0179fe3328b6c0702d8bae4b4e05eca22d.

#2 - 12/03/2013 04:15 PM - Rossen Apostolov
- Status changed from Resolved to Closed

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<tr>
<th>Files</th>
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<tbody>
<tr>
<td>0004-define-both-C-and-C-compilers-in-BGQ-toolchains-use-.patch</td>
<td>2.76 KB</td>
<td>06/16/2013</td>
<td>Jeff Hammond</td>
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