GROMACS - Bug #1469
sizeof call generates compilation error in src/gromacs/simd/impl_x86_sse2/impl_x86_sse2.h

03/24/2014 11:24 AM - David van der Spoel

Status: Closed
Priority: Normal
Assignee: Erik Lindahl
Category: core library
Target version: 5.0
Affected version -
extra info: Difficulty: uncategorized
Affected version: 5.0

Description
The statement
#define gmx_simd_extract_fi(x, i)  _mm_cvtsi128_si32(_mm_srli_si128((x), sizeof(int) * (i)))
generates a compilation error with gcc 4.8.2 probably due to the sizeof function returning an 8 byte value. Changing the sizeof(int) to 4 makes it compile.

History
#1 - 03/24/2014 02:36 PM - Erik Lindahl
- Status changed from New to Resolved

Fix was merged into git already on March 16 - see https://gerrit.gromacs.org/#/c/3272/.

#2 - 04/03/2014 07:36 PM - Roland Schulz
- Status changed from Resolved to Closed