GROMACS - Bug #968

Memory error with complex boolean selections

07/09/2012 11:22 AM - Teemu Murtola

Status: Closed
Priority: Normal
Assignee: Teemu Murtola
Category: selections
Target version: 4.5.6

Affected version - extra info:
Affected version: 4.5-4.5.5

Difficulty: uncategorized

Description
Complex boolean selections that contain static subexpressions may result in reallocation of memory to which a pointer is retained elsewhere. This leads to crashes or other unpredictable behavior. Example of a selection that causes problems is atomnr 1 to 4 or (atomnr 4 to 6 and (atomnr 5 to 7 or x < 2)).

The problem is fixed in master by dd3a102, which should be backported to release-4-5-patches.

Associated revisions

Revision b7b531f3 - 07/09/2012 02:10 PM - Teemu Murtola
Fix memory error with complex boolean selections.
Backported from dd3a102.
Conflicts: src/gmxlib/selection/compiler.c
Fixes #968.
Change-Id: If92b5b1eb8cf6b3acb510ba43f64fc82b63ab82a

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History

#1 - 07/10/2012 07:13 AM - Teemu Murtola
- Status changed from New to Closed
- Affected version - extra info set to 4.5-4.5.5

#2 - 07/17/2013 07:14 AM - Teemu Murtola
- Category changed from analysis tools to selections
- Affected version set to 4.5.5