**GROMACS - Bug #3060**

**Internal parameter storage for IMDModules causes segfault for thread and real MPI**

08/16/2019 01:40 PM - Christian Blau

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Christian Blau</td>
</tr>
<tr>
<td>Category:</td>
<td>core library</td>
</tr>
<tr>
<td>Target version:</td>
<td>2020-infrastructure-stable</td>
</tr>
<tr>
<td>Affected version</td>
<td>git master</td>
</tr>
<tr>
<td>Difficulty:</td>
<td>uncategorized</td>
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**Description**
I am getting seg-faults for multi-gpu runs after pulling the master branch, and have isolated the problem to this commit:

- 8e3da35 Internal parameter storage for IMDModules

(Owner Christian, uploader Erik)

The previous commit 81bcef2 works fine. I've no idea why the tests didn't pick this up, I am running (using threadMPI) with

```bash
gmx mdrun -s topol.tpr -ntomp 10 -pme gpu -nb gpu -ntmpi 4 -npme 1 -nsteps 100 -v -pin on -bonded
gpu -dlb no -noconfout -nstlist 100 -gpu_id 0123
```

It also occurs when using real MPI.

**Associated revisions**

- **Revision def7a2e7 - 08/17/2019 05:29 PM - Test User**
  
  Fix segfault with old tprs processing internal parameters

  Mdrun would occasionally segfault when processing tpr versions before
generic internal parameter storage. This patch fixes the segfaults.

  Fixes #3060

  Change-Id: led638943112ab6c18b425584f3361cb5a3b7de6

**History**

- **#1 - 08/17/2019 05:30 PM - Test User**
  
  Status changed from New to Resolved

  Applied in changeset [def7a2e70c8fca57b7f4b414c07d2302cee5542ce](def7a2e70c8fca57b7f4b414c07d2302cee5542ce).

- **#2 - 08/22/2019 10:32 AM - Paul Bauer**
  
  Status changed from Resolved to Closed

**Files**

- `topol.tpr` 7.06 MB 08/16/2019 Christian Blau