

GROMACS - Bug #2778

Some pictures appear too small in the web reference manual

11/27/2018 02:19 PM - Carsten Kutzner

Status: Closed	
Priority: Low	
Assignee:	
Category: documentation	
Target version: 2019	
Affected version - extra info:	Difficulty: simple
Affected version: 2019-beta2	
Description In the Analysis section e.g. (analysis.rst) Fig. 50 The window of gmx view showing a box of water Fig. 51 Fig. 53 Fig. 54 Fig. 55 has the correct rotation but is far too small Fig. 57 Fig. 58 Fig. 61	

Associated revisions

Revision 3c9bb034 - 11/29/2018 09:20 AM - Paul Bauer

Fix reference manual image sizes

Fixes #2778

Change-Id: I48afe91a938cadb7ca6b7a89ea6cb18cf9874eb

Revision 566d5f0e - 11/29/2018 09:59 AM - Paul Bauer

Make Imagemagick availability more visible

Changes the message type for the gmxTestImagemagick test to be a warning when GMX_BUILD_MANUAL is ON, to make sure users see that there may be an issue with building the full documentation.

Also change the test script to see if the new file actually gets created, instead of checking the return code.

Refs #2778

Change-Id: I52ca5e0143bad396d0e6cfe610dac1bb13621e5f

History

#1 - 11/27/2018 03:01 PM - Paul Bauer

Checking this out right now when building with I7c9bb695e1dac37b83cdc82a2c0bdb53700a1156

Fig. 50 is the right way round when visualized in Chromium

Fig. 51 the same, right way around for me

Fig. 53 same

Fig. 54 and 55 also look correct for me

Fig. 57 and 58 also look fine for me

Fig. 60 and 61 are too small (62 kind of as well)

#2 - 11/27/2018 03:02 PM - Gerrit Code Review Bot

Gerrit received a related patchset '1' for Issue [#2778](#).

Uploader: Paul Bauer (paul.bauer.q@gmail.com)

Change-Id: gromacs~release-2019~I48afe91a938cadb7ca6b7a89ea6cb18cf9874eb

Gerrit URL: <https://gerrit.gromacs.org/8750>

#3 - 11/27/2018 03:15 PM - Paul Bauer

- Subject changed from *Several pictures appear rotated in the web reference manual* to *Some pictures appear too small in the web reference manual*

#4 - 11/28/2018 11:27 AM - Carsten Kutzner

I found out that the problem I originally reported (wrong rotation of some figures) was not caused by GROMACS but ultimately by the fact that ImageMagick's convert was not able to produce new figures during 'make webpage-sphinx' due to missing permissions. That problem, however, did go unnoticed since there were still old (rotated) versions of these figures in my build tree.

Only after deleting these, I got a proper error message:

```
[ 93%] Converting Sphinx input graphics file reference-manual/analysis/plots/sgangle.pdf to png
convert: not authorized `/home/ckutzne/eclipse-workspace/git-gromacs-WRITE/docs/reference-manual/analysis/plots/sgangle.pdf
error/constitute.c/ReadImage/464.
convert: no images defined
`/home/ckutzne/eclipse-workspace/git-gromacs-WRITE/build2/docs/sphinx-input/reference-manual/analysis/plots/sgangle.png'
error/convert.c/ConvertImageCommand/3149.
```

For security reasons, recent SUSE versions apparently do not allow the use of /usr/bin/convert on PDFs (and other formats) any more unless specified otherwise in the /etc/ImageMagick*/policy.xml file.

Solution for others who run into the same problem:

In the policy.xml file, change

```
<policy domain="coder" rights="write" pattern="PDF" /> to
<policy domain="coder" rights="read|write" pattern="PDF" />
```

#5 - 11/28/2018 11:53 AM - Paul Bauer

Yes, we documented this before and I thought the recent change that actually tests that imagemagick works picks this up :)

Did you test it with something before I1c49d683d971a5bf0b0ce217f7e9ecd60603e6e6 got merged?

#6 - 11/28/2018 01:13 PM - Carsten Kutzner

Just tested this again. I am post 2019-beta3, so I1c49d683d971a5bf0b0ce217f7e9ecd60603e6e6 is in.

However, make webpage-sphinx builds quietly (apart from several warnings due to undefined labels etc) and without errors. Only the begin of the reference manual then states "The manual could not be properly build because we could not convert the images for proper display without Imagemagick."

convert is however properly picked up by CMake, just cannot actually convert anything.

#7 - 11/28/2018 02:43 PM - Paul Bauer

I uploaded another change to make it more clear if ImageMagick is not working if people explicitly ask to build the manual.

#8 - 11/28/2018 02:44 PM - Gerrit Code Review Bot

Gerrit received a related patchset '1' for Issue [#2778](#).

Uploader: Paul Bauer (paul.bauer.q@gmail.com)

Change-Id: gromacs~release-2019~I52ca5e0143bad396d0e6cfe610dac1bb13621e5f

Gerrit URL: <https://gerrit.gromacs.org/8755>

#9 - 11/29/2018 09:30 AM - Paul Bauer

- Status changed from *New* to *Resolved*

Applied in changeset [3c9bb034e6b6b527e39d51d208f06b0bc94dd08d](#).

#10 - 11/29/2018 10:03 AM - Paul Bauer

- Status changed from *Resolved* to *Closed*