

## CoCoALib - Support #1665

### Compilation on Windows: problems for normaliz

15 Feb 2022 09:57 - Anna Maria Bigatti

<b>Status:</b>	New	<b>Start date:</b>	15 Feb 2022
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	0%
<b>Category:</b>	Documentation	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CoCoALib-0.99880	<b>Spent time:</b>	1.20 hour
<b>Description</b>			
After the success on my Mac, I tried to compile normaliz-3.9.2 on windows/cygwin, but failed in the configuration (problem on GMP).			
<b>Related issues:</b>			
Related to CoCoALib - Support #1591: Compilation of Normaliz			<b>Closed</b> <b>30 Apr 2021</b>

#### History

##### #1 - 15 Feb 2022 10:08 - Anna Maria Bigatti

- File Screenshot 2022-02-15 at 09.48.18.png added
- File Screenshot 2022-02-15 at 09.47.39.png added
- File Screenshot 2022-02-15 at 09.52.06.png added

It seems that there is a similar problem on recognizing GMP libraries.  
I compiled GMP on cygwin, and properly installed it a directory in my home.  
But on cygwin this does not produce .dylib versions, I get only the .a .la files:

Screenshot 2022-02-15 at 09.52.06.png

Then I run the configuration of normaliz (I get the same error with/without disable-shared):

Screenshot 2022-02-15 at 10.01.52.png

but it fails saying that GMP library cannot be found:

Screenshot 2022-02-15 at 09.48.18.png

My guess is that it really wants to find a dylib and/or wants to find GMP in /usr/local

##### #2 - 15 Feb 2022 10:16 - Anna Maria Bigatti

- File Screenshot 2022-02-15 at 10.01.52.png added

##### #3 - 15 Feb 2022 10:19 - Anna Maria Bigatti

- Related to Support #1591: Compilation of Normaliz added

##### #4 - 15 Feb 2022 10:49 - John Abbott

You may need to set a "library path" to tell the system to look for libraries in "unusual places" (namely /home/cocoa/GMP/lib/).

Not sure how, but the info should be easy to find on the internet.

#5 - 31 Jan 2024 22:02 - John Abbott

Is this still a problem? Maybe we can ask Nico?

#6 - 18 Mar 2024 09:27 - Anna Maria Bigatti

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880

Files

Screenshot 2022-02-15 at 09.48.18.png	30.2 KB	15 Feb 2022	Anna Maria Bigatti
Screenshot 2022-02-15 at 09.47.39.png	22.3 KB	15 Feb 2022	Anna Maria Bigatti
Screenshot 2022-02-15 at 09.52.06.png	11.6 KB	15 Feb 2022	Anna Maria Bigatti
Screenshot 2022-02-15 at 10.01.52.png	15.7 KB	15 Feb 2022	Anna Maria Bigatti