

CoCoALib - Support #1494

Normaliz 3.8.9

30 Sep 2020 11:09 - John Abbott

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|--|------------------|------------------------|--------------------|
| Status: | Closed | Start date: | 30 Sep 2020 |
| Priority: | Normal | Due date: | |
| Assignee: | John Abbott | % Done: | 100% |
| Category: | Various | Estimated time: | 2.22 hours |
| Target version: | CoCoALib-0.99800 | Spent time: | 2.05 hours |
| Description | | | |
| At the moment CoCoALib is not compatible with Normaliz 3.8.9 (recently released, late Sept 2020). | | | |
| Making it compatible will probably break backward compatibility with earlier versions of Normaliz. | | | |
| Resolve! | | | |
| Related issues: | | | |
| Related to CoCoALib - Support #1497: Doc for normaliz fns | | New | 02 Oct 2020 |
| Related to CoCoALib - Design #710: Update normaliz interface? | | In Progress | 17 May 2015 |
| Related to CoCoALib - Support #1591: Compilation of Normaliz | | Closed | 30 Apr 2021 |
| Related to CoCoALib - Support #1592: Normaliz 3.8.10 | | Closed | 06 May 2021 |

History

#1 - 30 Sep 2020 11:14 - John Abbott

I have changed the include directives to include only **libnormaliz/libnormaliz.h** which includes all Normaliz headers (I believe).

Compilation fails because the mem fn **getGenerators** is no longer defined.
Bruns advised me that we should use **getTrianglulationGenerators** instead.

#2 - 30 Sep 2020 11:57 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 30

I have made the change, and CoCoALib now compiles, but I do not know whether it really does what people might expect.

The CoCoALib function is called **Generators**; perhaps it should be renamed to **TriangulationGenerators**?
(and update doc accordingly... there is some doc, right?)

NOTE I have changed the name of the CoCoALib fn to **TriangulationGenerators**

#3 - 30 Sep 2020 14:08 - John Abbott

- % Done changed from 30 to 40

Now it compiles for me. But I did not find any doc about which functions CoCoALib/CoCoA-5 make available when Normaliz is present :-)

#4 - 02 Oct 2020 20:30 - John Abbott

- Status changed from In Progress to Resolved

- Assignee set to John Abbott

- % Done changed from 40 to 70

I have refreshed the script `normaliz-version.sh` and updated `configure` to use it and check that the version is at least 3.8.9.

#5 - 02 Oct 2020 20:32 - John Abbott

- Related to Support #1497: Doc for `normaliz fns` added

#6 - 30 Oct 2020 11:07 - John Abbott

- Related to Design #710: Update `normaliz` interface? added

#7 - 30 Oct 2020 11:08 - John Abbott

- Status changed from Resolved to Closed

- % Done changed from 70 to 100

- Estimated time set to 2.22 h

#8 - 05 May 2021 14:45 - John Abbott

- Related to Support #1591: Compilation of `Normaliz` added

#9 - 06 May 2021 07:30 - Anna Maria Bigatti

- Related to Support #1592: `Normaliz 3.8.10` added