

## CoCoALib - Support #1494

### Normaliz 3.8.9

30 Sep 2020 11:09 - John Abbott

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

### 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 **getTriangulationGenerators** 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