

## CoCoALib - Feature #931

### GBasis verbose mode

24 Sep 2016 21:45 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	24 Sep 2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Anna Maria Bigatti	<b>% Done:</b>	100%
<b>Category:</b>	Improving	<b>Estimated time:</b>	3.00 hours
<b>Target version:</b>	CoCoALib-0.99550 spring 2017	<b>Spent time:</b>	2.20 hours
<b>Description</b>			
Make GBasis verbose mode official (both in CoCoALib and CoCoA-5).			
Requested by Tetsuo Ida			
<b>Related issues:</b>			
Related to CoCoALib - Feature #962: General verbose mode?		<b>Closed</b>	<b>07 Nov 2016</b>
Related to CoCoALib - Feature #957: New function: HasGBasis		<b>Closed</b>	<b>27 Oct 2016</b>
Related to CoCoALib - Feature #730: Stats in GBMill (GReductor)		<b>Closed</b>	<b>10 Jun 2015</b>

### History

#### #1 - 07 Nov 2016 13:34 - John Abbott

- Related to Feature #962: General verbose mode? added

#### #2 - 23 Nov 2016 08:25 - Anna Maria Bigatti

- Assignee set to Anna Maria Bigatti

- % Done changed from 0 to 10

Now we have SetVerbosityLevel it should be (almost) trivial.

#### #3 - 23 Nov 2016 08:26 - Anna Maria Bigatti

- Target version changed from CoCoALib-1.0 to CoCoALib-0.99550 spring 2017

#### #4 - 05 Dec 2016 10:30 - Anna Maria Bigatti

Added first verbosity comments activated with

```
SetVerbosityLevel(1965);
```

#### #5 - 05 Dec 2016 10:30 - Anna Maria Bigatti

- % Done changed from 10 to 50

#### #6 - 12 Jan 2017 15:13 - Anna Maria Bigatti

- Related to Feature #957: New function: HasGBasis added

#### #7 - 20 Jan 2017 15:44 - John Abbott

- Status changed from New to In Progress

Which target version should we opt for?

I suggest postponing for a later release (unless you think that this is almost done: 50% complete suggests not).

**#8 - 23 Jan 2017 15:20 - John Abbott**

I set verbosity level to 1965 then tried calling ImplicitHypesurface with the option ElimTH, but no verbose messages appeared. Is this what you would expect?

**#9 - 02 Mar 2017 11:08 - John Abbott**

Answer to previous question is that internally Anna uses a hack: she calls myDoGBasisElimFirst rather than the general myDoGBasis. Sooner or later these two function should be merged into one (presumably with a suitable flag). In the meantime, Anna plans to add the appropriate verbosity lines to myDoGBasisElimFirst.

**#10 - 02 Mar 2017 13:39 - Anna Maria Bigatti**

John Abbott wrote:

In the meantime, Anna plans to add the appropriate verbosity lines to myDoGBasisElimFirst.

done

**#11 - 02 Mar 2017 13:46 - Anna Maria Bigatti**

Set 100 for first GBasis printouts

**#12 - 29 Mar 2017 18:25 - Anna Maria Bigatti**

- % Done changed from 50 to 90

Current setting seems satisfactory.  
Documented in cocoa-5.... not in CoCoALib.  
Can we avoid this duplication of documentation?

**2017-04-22 NOTE** JAA does not see how to avoid duplicating the documentation.

**#13 - 14 Apr 2017 14:51 - Anna Maria Bigatti**

- Related to Feature #730: Stats in GBMill (GReductor) added

**#14 - 26 Apr 2017 14:51 - Anna Maria Bigatti**

I cleaned up the code a bit, and settled some values for verbosity.  
100 and 101 give some basic informations, for all the rest I gave values 105--150.  
Checking in.

**#15 - 26 Apr 2017 15:01 - Anna Maria Bigatti**

- Status changed from In Progress to Feedback  
- Estimated time set to 3.00 h

Verbosity is also related to printing final statistics ([#730](#)).

That might change, but the basic progress information (level 100 and 101) are probably settled.

I suggest closing this and readjust higher levels in issue [#730](#).

**#16 - 29 Apr 2017 08:36 - Anna Maria Bigatti**

- *Status changed from Feedback to Closed*

- *% Done changed from 90 to 100*