

CoCoA-5 - Bug #1200

Package exported function: wrong package name

27 Jul 2018 12:10 - Redmine Admin

Status:	Closed	Start date:	27 Jul 2018
Priority:	Low	Due date:	
Assignee:		% Done:	100%
Category:	Parser/Interpreter	Estimated time:	1.01 hour
Target version:	CoCoA-5.4.0	Spent time:	0.70 hour
Description			
Very strange. The code in Interpreter.C look reasonable, but this message is wrong: <pre>--> ERROR: Cannot export the name "Gens_Ker_Hom_Mod" because the same name was already exported by package \$experimental</pre> The original package exporting the function is ModuleHom. The package I'm loading (trying to export the function again) is called experimental.			
Related issues:			
Related to CoCoA-5 - Feature #1174: package of a function --> of an identifier!		Closed	05 Apr 2018

History

#1 - 01 Aug 2018 09:37 - Anna Maria Bigatti

- Related to Feature #1174: package of a function --> of an identifier! added

#2 - 01 Oct 2019 14:37 - John Abbott

- Target version changed from CoCoA-5.3.0 to CoCoA-5.4.0

#3 - 23 Sep 2020 11:09 - John Abbott

- Priority changed from Normal to Low

I am postponing this because it is not so important/urgent, and looks like it might be quick tricky to solve :-/

#4 - 23 Sep 2020 11:19 - John Abbott

The relevant line appears to be **Interpreter.C:4289**.

Here is a test input which triggers the bug:

```
package $first;
export john;
define john(x) return x+1; enddefine;
endpackage;

package $second;
export john;
define john(x) return x+1; enddefine;
endpackage;
```

UPDATE this example seems to work... huh?!?

#5 - 23 Sep 2020 11:22 - John Abbott

Is this even a bug?

In my installation the symbol **Gens_Ker_Mod_Hom** is indeed exported by a package called **experimental.cpkg5**.

Why do we have a package called **experimental.cpkg5**? Is it distributed in the release?

Anyway, who reported this issue???

Can we close it?

#6 - 02 Oct 2020 07:54 - Anna Maria Bigatti

- *Status changed from New to Closed*

- *% Done changed from 0 to 100*

- *Estimated time set to 1.01 h*

John Abbott wrote:

Is this even a bug?

In my installation the symbol **Gens_Ker_Mod_Hom** is indeed exported by a package called **experimental.cpkg5**.

Why do we have a package called **experimental.cpkg5**? Is it distributed in the release?

These are various functions with temporary/experimental interface, but are (likely) currently used by some package (or user).

Anyway, who reported this issue???

I guess it was me, forgetting to be logged in as Admin

Can we close it?

Yes: it works correctly, and I see no log in **Interpreter.C** mentioning a fix. I wonder if I got confused when I wrote it.