

GammaLib - Action #834

Feature # 833 (Closed): Add functions to public Gammalib API

Decide on naming convention for functions and how to expose them in C++ (namespace or prefix)

04/12/2013 12:00 PM - Knödseder Jürgen

Status:	Closed	Start date:	04/12/2013
Priority:	Normal	Due date:	
Assigned To:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	00-08-00		
Description			

History

#1 - 04/12/2013 12:02 PM - Knödseder Jürgen

- Target version set to 00-08-00

#2 - 04/12/2013 12:13 PM - Knödseder Jürgen

gamma seems not to be a possible namespace:

```
../../../../include/GTools.hpp:37: error: 'namespace gamma { }' redeclared as different kind of symbol  
/usr/include/architecture/i386/math.h:602: error: previous declaration of 'double gamma(double)'
```

See for example: <http://gcc.1065356.n5.nabble.com/Bug-libstdc-49762-New-symbols-not-kept-in-std-namespace-td301112.html>

I guess we cannot use gamma sad.png

#3 - 04/12/2013 12:26 PM - Knödseder Jürgen

Here a couple of alternatives to gamma:

```
gammalib  
gamlib  
glib  
gamlb  
gam  
gal  
glb
```

I guess I prefer gammalib at the end as it's explicit, probably rather unique. Drawback: it's rather long.

#4 - 04/12/2013 12:33 PM - Deil Christoph

+1 for explicit gammalib

#5 - 04/12/2013 01:23 PM - Knödseder Jürgen

Here an interesting discussion about C++ namespaces: <http://stackoverflow.com/questions/603378/c-namespace-usage-and-naming-rules>

#6 - 04/12/2013 01:24 PM - Knödseder Jürgen

- % Done changed from 0 to 20

Christoph Deil wrote:

+1 for explicit gammalib

Okay, so let's go with this.

I'll start implementing the gammalib namespace for the GTools constants first.

#7 - 04/12/2013 02:15 PM - Knödseder Jürgen

- Status changed from New to Closed

- % Done changed from 20 to 100

- Remaining (hours) set to 0.0

Use gammalib namespace.