

## 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

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

#### 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.