

GammaLib - Feature #1247

Add operators +|-|*|/ to GSkymap

07/08/2014 01:04 PM - Mayer Michael

Status:	Closed	Start date:	07/08/2014
Priority:	Normal	Due date:	
Assigned To:	Mayer Michael	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	3rd coding sprint		
Description			
To compute residual maps, the simple operations to subtract two sky maps would be easy to implement. Doing so, we could add further mathematical operators like "plus", "division", and "multiplication". We could also add functions which scale the entries of the map by a factor or take the square root of it.			

History

#1 - 07/08/2014 02:10 PM - Mayer Michael

- Assigned To set to Mayer Michael

I've added functionality supporting *= and /= operators, as well as the friend sqrt function.
The branch is in the central repo, called *1247-add-operators-and-friends-to-GSkymap*

#2 - 07/08/2014 06:29 PM - Knödseder Jürgen

I was about to merge in your change, but I recognized that there is some change in GModelSpatialRadialGauss. Any clues where this change comes from?

```
double GModelSpatialRadialGauss::theta_max(void) const
{
    // Return value
    - return (sigma() * gammalib::deg2rad * 5.0);
    + return (sigma() * gammalib::deg2rad * 1.7941227);
}
```

#3 - 07/08/2014 06:36 PM - Mayer Michael

oops, I might have played around with this value to check the computation time in the past. I don't know why this has been checked into repository at all. So you can just drop that. Sorry for the confusion

#4 - 07/09/2014 12:44 AM - Knödseder Jürgen

- Status changed from New to Resolved

- Target version set to 3rd coding sprint

No worries. Merged in the change.

#5 - 07/09/2014 12:44 AM - Knödseder Jürgen

- % Done changed from 0 to 100

#6 - 07/20/2014 11:21 PM - Knödseder Jürgen

- Status changed from Resolved to Closed