

GammaLib - Action #331

Feature # 56 (Closed): CTA response should support diffuse models (skymaps)

Factorise GCTAResponse

07/17/2012 09:35 AM - Knödseder Jürgen

Status:	Closed	Start date:	02/28/2012
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	8.00 hours
Target version:			
Description			
Factorise GCTAResponse class as the file GCTAResponse.cpp becomes a long monolithic file that will be difficult to maintain.			
One option is to separate the code for extended sources and diffuse sources in separate files. Also the helper classes that are used for integration should be split into separate files. We probably should also rename the helper classes so that they have unique names.			
Another option is to add the helper classes for integration to the GCTASupport file. The disadvantage of this option is that specific classes would no longer belong to specific files. Maybe this is more confusing.			
Related issues:			
Related to GammaLib - Feature # 104: Refactor CTA response class			Closed 07/20/2012

History

#1 - 07/17/2012 09:39 AM - Knödseder Jürgen

- Description updated

#2 - 07/18/2012 12:50 AM - Knödseder Jürgen

- Status changed from New to In Progress

#3 - 07/18/2012 12:52 AM - Knödseder Jürgen

- % Done changed from 0 to 30

The integration kernel classes have now been defined externally of the GCTAResponse class, and they have been exported in a separate file names GCTAResponse_helpers. Extended and diffuse model helper classes are together in this file.

#4 - 07/18/2012 12:52 AM - Knödseder Jürgen

- Remaining (hours) changed from 8.0 to 7.0

#5 - 07/18/2012 03:40 PM - Knödseder Jürgen

- Status changed from In Progress to Closed

- % Done changed from 30 to 100

- Remaining (hours) changed from 7.0 to 0.0

The refactorisation of the extended and diffuse response methods has been finished.

What is still remaining is the refactorisation of the Aeff and PSF classes. See feature #104 for this additional work.

#6 - 07/28/2012 12:53 AM - Knödseder Jürgen

- Target version deleted (Stage Jean-Baptiste Cayrou)