GammaLib - Action #503

Feature # 490 (Closed): Avoid casts for derived classes

Rework GModelSpectral interface

09/19/2012 10:04 PM - Knödlseder Jürgen

Status:	Closed		**Start date:**	09/20/2012
Priority:	Normal		**Due date:**	
Assigned To:	Knödlseder Jürgen		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	00-07-00			

Description

Here a list of methods implemented in derived classes of GModelSpectral:

GModelSpectralConst:

- double norm(void) const;

Note: this is just a luxury method as the same can be achieved by using the parameter access method.

GModelSpectralExpPlaw:

- void   autoscale(void);
- double norm(void) const;
- double index(void) const;
- double ecut(void) const;
- double pivot(void) const;

Note: the methods except of autoscale() are just a luxury as the same can be achieved by using the parameter access method. autoscale() is pretty low-level, and likely not a generic method.

GModelSpectralFunc:

- double norm(void) const;

Note: this is just a luxury method as the same can be achieved by using the parameter access method.

GModelSpectralNodes:
None

GModelSpectralPlaw:

- void   autoscale(void);
- double norm(void) const;
- double index(void) const;
- double pivot(void) const;

Note: the methods except of autoscale() are just a luxury as the same can be achieved by using the parameter access method. autoscale() is pretty low-level, and likely not a generic method.

GModelSpectralPlaw2:

- double integral(void) const;
- double index(void) const;
- double emin(void) const;
- double emax(void) const;

Note: these are just luxury methods as the same can be achieved by using the parameter access method.

History

#1 - 09/19/2012 10:11 PM - Knödlseder Jürgen

- Description updated

#2 - 09/20/2012 05:21 PM - Knödlseder Jürgen

- Start date set to 09/20/2012

due to changes in a related task

#3 - 09/20/2012 05:52 PM - Knödlseder Jürgen

- Status changed from New to Feedback

- Assigned To set to Knödlseder Jürgen

- % Done changed from 0 to 100

- Remaining (hours) set to 0.0

The interface has not been reworked. Instead, output typemaps have been implemented that perform typecasting at the access level.

#4 - 12/04/2012 10:45 PM - Knödlseder Jürgen

- Status changed from Feedback to Closed

- Estimated time set to 0.00