

GammaLib - Feature #3626

Add GModelSpectralFunc model constructor

04/28/2021 09:30 AM - Knödlseider Jürgen

Status:	Closed	Start date:	04/28/2021
Priority:	Normal	Due date:	
Assigned To:	Knödlseider Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2.0.0		
Description Add a GModelSpectralFunc(const GModelSpectral& model, const GEnergies& energies) model constructor to GModelSpectralFunc that allows for creating a file function from an arbitrary spectral model. This constructor should be similar to the equivalent GModelSpectralNodes constructor. Note that once this constructor is introduced, csspec should be simplified (see #3624).			
Related issues: Related to ctools - Bug # 3624: bug on csspec with Composite model			
		Closed	04/27/2021

History

#1 - 04/28/2021 09:30 AM - Knödlseider Jürgen

- Related to Bug #3624: bug on csspec with Composite model added

#2 - 04/30/2021 11:47 AM - Knödlseider Jürgen

- Status changed from New to In Progress
- Assigned To set to Knödlseider Jürgen
- % Done changed from 0 to 50

A spectral model constructor was added to the GModelSpectralFunc class, including unit tests for testing this new functionality. The code was merged into devel.

I also adapted csspec to use this constructor now for converting the spectral model into a file function before spectral fitting (see #3624 for more explanations). I still need to merge the code into devel before closing this issue.

#3 - 04/30/2021 02:03 PM - Knödlseider Jürgen

- Status changed from In Progress to Closed
- % Done changed from 50 to 100

I merged the csspec code into devel.