

## GammaLib - Feature #3626

### Add GModelSpectralFunc model constructor

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

<b>Status:</b>	Closed	<b>Start date:</b>	04/28/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Knödlseider Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0.0		
<b>Description</b>			
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).			
<b>Related issues:</b>			
Related to ctools - Bug # 3624: bug on csspec with Composite model		<b>Closed</b>	<b>04/27/2021</b>

#### 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.