

## GammaLib - Action #4204

### Implementation of an adapted quadrature method in GIntegral

01/20/2023 04:47 PM - Knödseder Jürgen

<b>Status:</b>	Closed	<b>Start date:</b>	01/20/2023
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Knödseder Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.1.0		
<b>Description</b>			
So far there is no adaptive quadrature method in GIntegral for integrating functions with irregular spacing. Such a method should be implemented.			

#### History

##### #1 - 01/20/2023 08:04 PM - Knödseder Jürgen

- Status changed from New to Feedback

- % Done changed from 0 to 100

I added a GIntegral::adaptive\_gauss\_kronrod() method and implemented some unit tests. The method seems to work as expected.

##### #2 - 01/21/2023 05:42 AM - Knödseder Jürgen

- Status changed from Feedback to Closed

Code merged into devel.