

GammaLib - Action #1843

Avoid code duplication in const and non-const functions and operators

08/12/2016 10:44 AM - Knödseder Jürgen

Status:	In Progress	Start date:	08/12/2016
Priority:	Normal	Due date:	
Assigned To:		% Done:	10%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Non-const and const functions and operators often contain the same code. This should be avoided. The problem is described and a solution is proposed here: http://stackoverflow.com/questions/123758/how-do-i-remove-code-duplication-between-similar-const-and-non-const-member-func			
This solution should be implement for all non-const GammaLib functions and operators that have also a const version (in case that their code is identical, which should be the case).			

History

#1 - 07/08/2019 10:49 AM - Knödseder Jürgen

- Target version set to 1.7.0

#2 - 07/09/2020 03:21 PM - Knödseder Jürgen

- Target version changed from 1.7.0 to 2.0.0

Moved issue to next release.

#3 - 08/05/2020 03:31 PM - Knödseder Jürgen

- Status changed from New to In Progress

- % Done changed from 0 to 10

I implement some type casting for GXmlNode:

```
GXmlElement* GXmlNode::element(const int& index)
{
    // Return child element using const method
    return const_cast<GXmlElement*>(static_cast<const GXmlNode*>(this)->element(index));
}
```

The GXmlNode will go into the bugfix release 1.7.1.

#4 - 03/14/2022 12:27 PM - Knödseder Jürgen

- Target version deleted (2.0.0)