

GammaLib - Action #1714

Revise GTime operators

02/25/2016 03:39 PM - Knödlseider Jürgen

Status:	Closed	Start date:	02/25/2016
Priority:	Normal	Due date:	
Assigned To:	Knödlseider Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.1.0		
Description			
<p>It turns out that the current implementation of GTime operators does not make sense, as time is an absolute value, but addition and subtraction should always be relative operations. In addition, multiplication and division operators also do not make much sense for absolute values.</p> <p>The GTime operators should be modified so that seconds are added or subtracted, or that the subtraction of two GTime objects lead to a difference in seconds. Here the list of operators that should be implemented:</p> <pre>friend GTime operator+(const GTime& time, const double& seconds); friend GTime operator+(const double& seconds, const GTime& time); friend GTime operator-(const GTime& time, const double& seconds); friend double operator-(const GTime& a, const GTime& b); friend bool operator==(const GTime& a, const GTime& b); friend bool operator!=(const GTime& a, const GTime& b); friend bool operator<(const GTime& a, const GTime& b); friend bool operator<=(const GTime& a, const GTime& b); friend bool operator>(const GTime& a, const GTime& b); friend bool operator>=(const GTime& a, const GTime& b); GTime& operator+=(const double& seconds); GTime& operator-=(const double& seconds);</pre>			

History

#1 - 02/25/2016 08:30 PM - Knödlseider Jürgen

- Status changed from New to Closed
- % Done changed from 0 to 100
- Remaining (hours) set to 0.0

Done and merged into devel.