GammaLib - Feature #487

Add developer info wiki page on how to develop GammaLib with an IDE like Eclipse / XCode

09/16/2012 06:29 PM - Deil Christoph

Status:	New	Start date:	09/16/2012
Priority:	Normal	Due date:	
Assigned To:	Deil Christoph	% Done:	10%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
There are many adv code lines, However it's not obv		, code completion, static code ana sible to configure the project corre	lysis, links from build warnings / errors to ectly in the IDE so that everything works, and
Import -> Existing C Right-click Project - Right-click Project - The CODAN static	check out the git repo via the com code as Makefile Project -> Select > Index -> Rebuild (takes a few se > Run C/C++ Code Analysis (take analyzer shows 20 errors, but I bel .org/bugs/show_bug.cgi?id=38967	MacOSX GCC toolchain for the in conds) s a minute) ieve that is a CODAN error and ga	dexer.
Member 'm_num' w Catching by referen Code Analysis Prob	was not initialized in this construct as not initialized in this constructor ce is recommended 'GException:: lem utline, and navigation work fine (ex	test_GVector.hpp /gammalib matrix_not_factorised' test_GSp	nalib/test line 52 Code Analysis Problen /test line 33 Code Analysis Problem arseMatrix.cpp /gammalib/test line 988 bove) so it's already quite useful
		ception the one bug mentioned a	
- How to run unit te	Eclipse? There is the option to imp sts from Eclipse? se automatically recognize that this		
Really on Mac, XCc	de with Clang on the fly compilation	on / code analysis should be better	r than Eclipse, but I didn't try that yet.
History			
#1 - 09/16/2012 07:45	PM - Deil Christoph		
Jürgen: Moved to Bug	#505.		
#2 - 09/19/2012 10:30	PM - Knödlseder Jürgen		
Thanks for catching th	ose. For ctools related issues, please	post the bugs in the ctools project. I just	st moved over that one to Bug #505.
#3 - 09/19/2012 11:06	PM - Knödlseder Jürgen		
	me ago, but not recently. Yet I tried the	autotools project thing and it worked.	If you gain some experience on it, don't hesitate

The same for Xcode. I use Xcode as editor, but I have not tried compiling the library using Xcode features. Also here, if you gain some experience don't hesitate to start a Wiki page.

Thanks for running the static code analyzer. cppcheck runs regularly on GammaLib, and I know that there are still a bunch of style errors (see https://cta-jenkins.irap.omp.eu/job/gammalib-analyse/lastBuild/cppcheckResult/?). Apparently, those found by CODAN are different.

I'm not sure why enumerations should not be used in classes. Here two weblinks where the usage of enumerations within C++ classes is described: <u>http://msdn.microsoft.com/en-us/library/2dzy4k6e(v=vs.71).aspx</u>

start a new Wiki page on using Eclipse.

http://www.yolinux.com/TUTORIALS/C++Enum.html Isn't this rather a CODAN problem.

Concerning the NULL, CODAN is somehow right, they should not be used in C++ code. Here some web links (one in french) telling the story: <u>http://h-deb.clg.qc.ca/Sujets/Divers--cplusplus/CPP--NULL.html</u> <u>http://www.cplusplus.com/forum/beginner/5604/</u>

Needs to be checked whether the NULLs should be replaced by "0" or "nullptr".

I just fixed the three CODAN warnings.

#4 - 09/19/2012 11:06 PM - Knödlseder Jürgen

- % Done changed from 0 to 10