

CoCoALib - Feature #1793

Use ErrorContext instead of string FnName

16 Mar 2024 11:06 - John Abbott

Status:	In Progress	Start date:	16 Mar 2024
Priority:	Normal	Due date:	
Assignee:		% Done:	60%
Category:	Improving	Estimated time:	0.00 hour
Target version:	CoCoALib-0.99880	Spent time:	3.50 hours
Description			
There is now a class ErrorContext and macro <code>CoCoA_ERROR_CONTEXT</code> for recording: <ul style="list-style-type: none">• function name• file name• line number Consider using <code>ErrorContext</code> instead of a string for <code>FnName</code> . NB C++20 seems to offer an official version of <code>ErrorContext</code>			
Related issues:			
Related to CoCoALib - Bug #1726: Dangling references to temporaries		Closed	08 Mar 2023
Related to CoCoALib - Design #1792: CpuTimeOut: arg of type ErrorContext?		New	15 Mar 2024
Related to CoCoALib - Design #582: Error codes: use same code for "not poly r...		New	07 Jul 2014

History

#1 - 16 Mar 2024 11:07 - John Abbott

- Related to Bug #1726: Dangling references to temporaries added

#2 - 16 Mar 2024 11:11 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 60

While resolving issue [#1726](#) I needed to call some arg-check functions specifying where in the source the arg-check was called. By chance I noticed that we have `ErrorContext` and the macro (since when? Is there any doc?) I have modified most calls, but left the old code sommented out -- hope to delete in a couple of weeks.

See also documentation about `std::source_location` for instance at the following link https://en.cppreference.com/w/cpp/utility/source_location

#3 - 16 Mar 2024 11:14 - John Abbott

- Related to Design #1792: CpuTimeOut: arg of type ErrorContext? added

#4 - 21 Mar 2024 20:22 - John Abbott

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880

#5 - 26 Mar 2024 11:50 - Anna Maria Bigatti

Added also to `NewFreeModuleForSyz`.

#6 - 26 Mar 2024 14:37 - Anna Maria Bigatti

- Related to Design #582: Error codes: use same code for "not poly ring" and "not elem poly ring" added