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Status of CERNLIB

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Since a long time the importance of CERNLIB for the preservation of pre-LHC experiments was discussed. As a result of this discussion, in 2022, a community effort was started with the aim to consolidate various bugfixes, improvements, 3rd party forks and to port CERNLIB to modern architectures. This activity resulted in a revived version of CERNLIB.

The presented version is based on the CERNLIB version 2006 with numerous patches made for the compatibility with modern compilers and operating systems. The code is available in the CERN GitLab repository with all the development history starting from the early 1990s. The updates also include a re-implementation of the build system in cmake to make CERNLIB compliant with the current best practices and to increase the chances of preserving the code in a compilable state for the decades to come.

The revived CERNLIB project also includes an updated documentation, which we believe is a cornerstone for any preserved software depending on it.

Since 2022 the revived CERNLIB obtained a lot of positive feedback from the long-term CERNLIB users across the Physics community.

Summary

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