Large Mathematics Libraries (LML 2019)

Large formal and semiformal mathematics libraries are needed to support mathematics research, mathematics education, rigorous software development, and formal proof development. This workshop explores methods for designing, constructing, and maintaining large mathematics libraries as well as for finding, comparing, and applying the knowledge residing in these libraries. The key topics of interest are:

- Methods for sharing knowledge between libraries.
- Modular techniques for organizing the knowledge within libraries.
- The translation of libraries to different languages and logics.
- The construction of new libraries by integrating existing libraries.
- Tools for exploring the contents of large libraries.

The highlights of workshop are two invited talks, the first "Isabelle technology for the Archive of Formal Proofs with application to MMT" by Makarius Wenzel and the second "Attempts at Skinning the Elephant" by Claudio Sacerdoti Coen on applications of CICM technology to the Coq library.

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