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The structure of the new ROOT Mathematical Software Libraries

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Aiming to provide and support a coherent set of libraries, the mathematical functionality of the ROOT project has been reorganized following a merge of the ROOT and SEAL activities. Two new libraries, coded in C++, have been released in ROOT version 5: MathCore (basic functionality) and MathMore (functionality for advanced users). We present the structure and design of these new libraries, including a detailed description of their components.

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