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Effective Analysis Programming with C++

The language C++ supports multiple programming paradigms and is often the first choice for applications where performance matters. It is widely being used by scientific communities including high energy physics. The course covers basic software design patterns, simple best practice rules, examples from the Standard Template Library, and selected topics from object oriented and generic programming. The goal is to help scientists to efficiently use C++ in order to improve the quality and to ease the maintenance of their software. Participants are required to have basic knowledge of C++ and the concepts of object oriented programming.

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