

Introduction to Performance Tuning & Optimization Tools

Wednesday 19 July 2023 11:30 (30 minutes)

Improving the performance of scientific code is something that is often considered to be an art that is difficult, mysterious, and time-consuming, but it doesn't have to be. Performance tuning and optimization tools can greatly aid in the evaluation and understanding of the performance of scientific code. In this talk we will discuss how to approach performance tuning and introduce some measurement tools to evaluate the performance of compiled-language (C/C++/Fortran) code. Powerful profiling tools, such as Intel VTune and Advisor, will be introduced and discussed.

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