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LibPressio: A Unifiying Data Compression Interface for Users and Developers

Thursday 23 March 2023 14:40 (20 minutes)

Scientists have lots of data that they need to store, transport, and use. Lossy compression could be the solution, but there are 32+ compressors, each with its own interface and the interfaces of the most recent compressors often evolve. Moreover, compressors are missing key features: provenance and configuration parameter optimization. LibPressio addresses all these issues by providing a unifying interface with advanced engines for provenance and configuration optimization. This talk will highlight recent new capabilities for GPU-enabled other features for performance portable compression.

JLESC topic

lossy compression

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