

# Printed References

- John May, Parallel I/O for High Performance Computing, Morgan Kaufmann, October 9, 2000.
  - Good coverage of basic concepts, some MPI-IO, HDF5, and serial netCDF
  - Out of print?
- Quincey Koziol, Prabhat, editors, High Performance Parallel I/O, Chapman and Hall/ CRC, October 2014
  - Survey of nearly every tool, library, file system available
- William Gropp, Ewing Lusk, and Rajeev Thakur, Using MPI-2: Advanced Features of the Message Passing Interface, MIT Press, November 26, 1999.
  - In-depth coverage of MPI-IO API, including a very detailed description of the MPI-IO consistency semantics

# On-Line References (1 of 4)

## ■ netCDF and netCDF-4

- <http://www.unidata.ucar.edu/packages/netcdf/>

## ■ PnetCDF

- <http://www.mcs.anl.gov/parallel-netcdf/>

## ■ ROMIO MPI-IO

- <http://www.mcs.anl.gov/romio/>

## ■ HDF5 and HDF5 Tutorial

- <http://www.hdfgroup.org/>
- <http://www.hdfgroup.org/HDF5/>
- <http://www.hdfgroup.org/HDF5/Tutor>

## ■ POSIX I/O Extensions

- <http://www.opengroup.org/platform/hecewg/>

## ■ Darshan I/O Characterization Tool

- <http://www.mcs.anl.gov/research/projects/darshan>

# On-Line References (2 of 4)

- PVFS

<http://www.pvfs.org>

- Panasas

<http://www.panasas.com>

- Lustre

<http://www.lustre.org>

- GPFS (now branded “Spectrum Scale”)

<http://www-03.ibm.com/systems/storage/spectrum/scale/index.html>

# On-Line References (3 of 4)

## ■ IOR benchmark

- <https://github.com/chaos/ior>

## ■ Parallel I/O Benchmarking Consortium (noncontig, mpi-tile-io, mpi-md-test)

- <http://www.mcs.anl.gov/pio-benchmark/>

## ■ FLASH I/O benchmark

- <http://www.mcs.anl.gov/pio-benchmark/>
- [http://flash.uchicago.edu/~jbgallag/io\\_bench/](http://flash.uchicago.edu/~jbgallag/io_bench/) (original version)

## ■ b\_eff\_io test

- [https://fs.hlrs.de/projects/par/mpi/b\\_eff\\_io/](https://fs.hlrs.de/projects/par/mpi/b_eff_io/)

# On Line References (4 of 4)

## ■ NFS Version 4.1

- 5661: NFSv4.1 protocol
- 5662: NFSv4.1 XDR Representation
- 5663: pNFS Block/Volume Layout
- 5664: pNFS Objects Operation

## ■ pNFS Problem Statement

- Garth Gibson (Panasas), Peter Corbett (Netapp), Internet-draft, July 2004
- <http://www.pdl.cmu.edu/pNFS/archive/gibson-pnfs-problem-statement.html>

## ■ Linux pNFS Kernel Development

- <http://www.citi.umich.edu/projects/asci/pnfs/linux>