

IPM: Integrated Performance Monitoring

IPM is a portable profiling infrastructure for parallel codes. It provides a low-overhead performance summary of the computation and communication in a parallel program. The amount of detailed reported is selectable at runtime via environment variables or through a MPI_Pcontrol interface. IPM has extremely low overhead, is scalable and easy to use requiring no source code modification. More details are available [here](#)

IPM is collaborative project between PMAc at SDSC and [David Skinner](#) and [Katherine Yelick](#) of UC Berkeley and LBNL/NERSC.

Current work on IPM is focused on extending its capabilities to petascale-era machines as well as using IPM to further understand and predict performance of scientific codes.

For more information about IPM or for assistance with installing it on your HPC resource please contact [Nick Wright](#).