

mpirun and multiple programs or multiple arguments for the different ranks

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Symptom (public)

Problem (public)

I have a coupled code which requires starting different executables (or using different arguments) for the different ranks (MIMD).

Solution (public)

The mpirun used on RRZE's Linux clusters can only start the same executable for all ranks and thus does not support MIMD. However, the underlying PBS-mpiexec can be used in combination with a special config file to start different applications for different ranks.