

mpirun and multiple programs or multiple arguments for the different ranks

03.05.2025 00:18:36

FAQ-Artikel-Ausdruck

Kategorie:	RRZE: HPC	Bewertungen:	0
Status:	öffentlich (Alle)	Ergebnis:	0.00 %
Sprache:	en	Letzte Aktualisierung:	17:31:24 - 19.02.2009

Symptom (öffentlich)

Problem (öffentlich)

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

Lösung (öffentlich)

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-mplexec can be used in combination with a special config file to start different applications for different ranks.