# HPC Wiki TU Ilmenau

This is the tu ilmenau wiki for scientific computing.

To access the Compute-Servers of TU-Ilmenau you need to fill out the

Application form

to get your account. Please send the signed form as a scan to hpc@tu-ilmenau .
Useful Hints

## Remote Visualization

HPC interactive session manager
HowTo
FAQ

## Software

Software Environment with ''module'' command

#### Multi purpose

Matlab
Mathematica
Maple

#### Simulation

Ansys
Comsol
MSC
Altair

#### Visualization

Tecplot
Fieldview
Ensight

Intel Compiler-Debuger-Profiler
Julia
Totalview

GPU Computing

Blender
Gurobi

## HPC File systems

HPC File systems

## Batch Jobs Commands

LSF Common Commands

## HPC Training & Courses

PRACE Training Portal
Gauss Allianz: HPC events and trainings in Germany

## TU IL HPC Hardware

MassivParallelComputeCluster 4th generation (MaPaCC4) + GPU Cluster

## Additional HPC Ressources

TU IL Gitlab Service
TU IL Cloud Service
TU IL Jupyter Hub
TU IL Research Data Management
HS-ITZ AG Scientific Computing
HPC Hardware History

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