OpenFOAM

Na klasteru je dostupan OpenFOAM-7, preveden s Intel 2019 i Openmpi-intel 3.1.4.

Korištenje

Dostupna verzija:

Verzija	Modul
8	OpenFOAM/8
7	OpenFOAM/7
7	OpenFOAM-7-FOAMY_HEX_MESH
3.0.x	OpenFOAM/in-box
3.0.0	OpenFOAM/3
2012	OpenFOAM/2012
2112	OpenFOAM/2112
2206	OpenFOAM/2206

Primjer korištenja :

```
#$ -pe *mpi 2
module load OpenFOAM/7
. $WM_PROJECT_DIR/bin/tools/RunFunctions
. $WM_PROJECT_DIR/etc/bashrc
mpirun -np $NSLOTS simpleFoam -parallel
```

Više o korištenju programa moguće je pročitati na službenim web stranicama.

Primjer korištenja in-box verzije:

OpenFOAM-in-box

```
#$ -N foam_test
#$ -cwd
#$ -pe *mpi 6
module load OpenFOAM/in-box
cp -r /apps/OpenFOAM/OpenFOAM-in-Box/OpenFOAM-in-Box-16.10/OpenFOAM-3.0.x/tutorials/incompressible/simpleFoam
/motorBike .
cd motorBike
./Allclean
./Allrun
```