You can start Matlab with the following short commands

Version 2023b: `m2023b`
Version 2022b: `m2022b`
Version 2021b: `m2021b`
Version 2020b: `m2020b`
Version 2019b: `m2019b`
Version 2019b: `m2018b`

You can start Your matlab script (*.m file) as a batch job with the following generic command: `matlab.batch inputfile.m`
Hint 1:
Please remove all graphical output from Your matlab script!
Hint 2:
For the usage of the generic batch job script `matlab.batch inputfile.m` You need to setup the right matlab environment eg. `module purge; module load matlab/v2020b`.
Hint 3:
For a more flexible batch job configuration You can find a job description file here: `/usr/app-soft/matlab/matlab.lsf`
Please copy this this file in a directory where Your *.m file is located and change it to Your needs. You can start Your Matlab Batch job with the `command bsub < matlab.lsf`

If the matlab environment ist not (!) set permanently in Your Account please set the right matlab version in Your current terminal with the command: `module purge; module load matlab/v2020b`.

You can check the current environment in a specific Terminal with the command `module list`

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Last update: **2023/10/13 09:30**