

# Numerical languages

Interpreted languages for numerical computations and analysis

## Introduction

This section contains a collection of high-level interpreted languages, primarily intended for numerical computations.

## Matlab

MATLAB<sup>®</sup> is a high-level language and interactive environment for numerical computation, visualization, and programming.

```
$ module load MATLAB/2015b-EDU  
$ matlab
```

Read more at the Matlab page.

## Octave

GNU Octave is a high-level interpreted language, primarily intended for numerical computations. The Octave language is quite similar to Matlab so that most programs are easily portable.

```
$ module load Octave  
$ octave
```

Read more at the Octave page.

## R

The R is an interpreted language and environment for statistical computing and graphics.

```
$ module load R  
$ R
```

Read more at the R page.