

# Intro to MATLAB

08 September 2023 12:23

- Programming language developed by Mathworks
- MATLAB  $\longrightarrow$  MATrix LABoratory
- Usually uses numerical computation using matrices and arrays
- Using MATLAB, image is converted into a matrix and basic operations are performed to get desired values & outcomes
- Only linear algebra - type problems are solved using matrices and arrays.
- 4<sup>th</sup> gen high level programming language meant for computation, visualisation, programming
- Numerous in-built commands and maths functions that help in calculation, generating plots and performing numerical

## Applications

- Signal Processing & Development
- Algorithm Development
- Computational Finance
- Computational Biology
- Control Systems