Introduction

Namespace LinearAlgebra

Classes

Idenity

This class represents an identity matrix in linear algebra. An identity matrix is a square matrix with ones on the main diagonal and zeros elsewhere.

Matrix

This class represents a matrix in linear algebra. A matrix is a two-dimensional array of complex numbers.

Operations

This class contains common linear algebra operations that can be performed on matrices and vectors.

SparseMatrix

A special representation of a Matrix. A SparseMatrix stores only the non-zero elements to conserve memory and computation.

Vector

This class represents a vector in linear algebra. A vector is a one-dimensional array of complex numbers.