

# Classe Matriz

0.1

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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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## Chapter 2

# File Index

### 2.1 File List

Here is a list of all files with brief descriptions:

<a href="#">main.cpp</a>	.....	7
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## Chapter 3

# Class Documentation

### 3.1 Matriz Class Reference

The [Matriz](#) class serve para realizar operacoes matriciais.

```
#include <matriz.h>
```

#### Public Member Functions

- [Matriz](#) (int nlin=0, int ncol=0)  
*Matriz eh o construtor da classe.*
- [~Matriz](#) ()
- [Matriz](#) ([Matriz](#) &m)
- float & [operator\(\)](#) (int i, int j)
- [Matriz operator+](#) (const [Matriz](#) &m)
- [Matriz operator=](#) (const [Matriz](#) &m)
- void [rand](#) (void)
- void [print](#) (void)
- [Matriz operator\\*](#) (float a)

#### Friends

- [Matriz operator\\*](#) (float a, const [Matriz](#) &m)

#### 3.1.1 Detailed Description

The [Matriz](#) class serve para realizar operacoes matriciais.

A classe [Matriz](#) realiza operacoes de soma, subtracao, igualdade, multiplicacao, e sobrecarga de outros operadores

#### 3.1.2 Constructor & Destructor Documentation

##### 3.1.2.1 [Matriz::Matriz](#) ( int *nlin* = 0, int *ncol* = 0 )

[Matriz](#) eh o construtor da classe.

**Parameters**

<i>nlin</i>	recebe o numero de linhas
<i>ncol</i>	recebe o numero de colunas

O construtor da classe cria uma matriz com *nlin* x *ncol* elementos

3.1.2.2 **Matriz::~~Matriz ( )**

3.1.2.3 **Matriz::Matriz ( Matriz & *m* )**

**3.1.3 Member Function Documentation**

3.1.3.1 **float & Matriz::operator() ( int *i*, int *j* )**

3.1.3.2 **Matriz Matriz::operator\* ( float *a* )**

3.1.3.3 **Matriz Matriz::operator+ ( const Matriz & *m* )**

3.1.3.4 **Matriz Matriz::operator= ( const Matriz & *m* )**

3.1.3.5 **void Matriz::print ( void )**

3.1.3.6 **void Matriz::rand ( void )**

**3.1.4 Friends And Related Function Documentation**

3.1.4.1 **Matriz operator\* ( float *a*, const Matriz & *m* )** [*friend*]

The documentation for this class was generated from the following files:

- [matriz.h](#)
- [matriz.cpp](#)

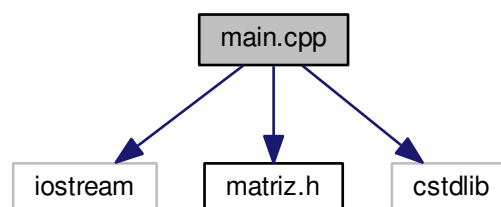
## Chapter 4

# File Documentation

### 4.1 main.cpp File Reference

```
#include <iostream>
#include "matriz.h"
#include <cstdlib>
```

Include dependency graph for main.cpp:



### Functions

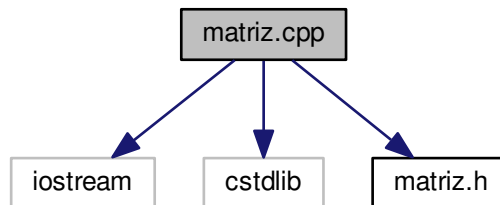
- int `main` ()

#### 4.1.1 Function Documentation

##### 4.1.1.1 int main ( )

## 4.2 matriz.cpp File Reference

```
#include <iostream>
#include <cstdlib>
#include "matriz.h"
Include dependency graph for matriz.cpp:
```



### Functions

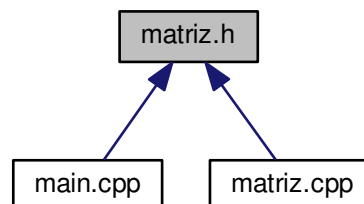
- `Matriz operator*` (float *a*, const `Matriz` &*m*)

### 4.2.1 Function Documentation

#### 4.2.1.1 `Matriz operator*` ( float *a*, const `Matriz` & *m* )

## 4.3 matriz.h File Reference

This graph shows which files directly or indirectly include this file:



### Classes

- class `Matriz`  
The `Matriz` class serve para realizar operacoes matriciais.

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