

My Project

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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

Class Documentation

2.1 functions Class Reference

Public Member Functions

- double **Schwefel** (double *X, int dimension)
- double **first_De_Jong** (double *X, int dimension)
- double **Rosenbrock** (double *X, int dimension)
- double **Rastrigin** (double *X, int dimension)
- double **Griewangk** (double *X, int dimension)
- double **Sine_Envelope_Sine_Wave** (double *X, int dimension)
- double **Stretched_V_Sine_Wave** (double *X, int dimension)
- double **Ackley_One** (double *X, int dimension)
- double **Ackley_Two** (double *X, int dimension)
- double **Egg_Holder** (double *X, int dimension)
- double **Rana** (double *X, int dimension)
- double **Pathological** (double *X, int dimension)
- double **Michalewicz** (double *X, int dimension)
- double **Masters_Cosine_Wave** (double *X, int dimension)
- double **Quartic** (double *X, int dimension)
- double **Levy** (double *X, int dimension)
- double **Step** (double *X, int dimension)
- double **Alpine** (double *X, int dimension)

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

- functions.h
- functions.cpp

2.2 matrix Class Reference

Public Member Functions

- **matrix** (int num_rows, int num_columns, int l_b, int h_b)
- **matrix** (int num_rows, int num_columns)

Public Attributes

- const int **num_rows**
- const int **num_columns**
- const int **l_b**
- const int **h_b**
- double ** **mat**

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

- matrix.h
- matrix.cpp

2.3 utilities Class Reference

Public Member Functions

- double * **str_to_tok** (char *string, char *delim, int num_tokens)
- void **write_to_file** ([matrix](#) *mat, string file_name)
- void **simulate** (int num_dimensions, double *dimensions, int num_functions, double *ranges, int sample_size ↵)

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

- utilities.h
- utilities.cpp

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