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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2 Class Index

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 Greiwangk (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, mt19937 &mt_rand)
- matrix (int num_rows, int num_columns)

4 Class Documentation

Public Attributes

- const int num_rows
- · const int num_columns
- const int I b
- const int h_b
- mt19937 mt rand
- double ** mat

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

- · matrix.h
- · matrix.cpp

2.3 rw_input Struct Reference

Public Attributes

- int iterations
- double * best solution
- double best_fitness

The documentation for this struct was generated from the following file:

· search_functions.h

2.4 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)
- int get algorithm id ()
- void **simulate** (int num_dimensions, double *dimensions, int num_functions, double *ranges, int sample_ size, int algorithm id, double delta, mt19937 &mt rand)

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

- · utilities.h
- · utilities.cpp

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