MCNetwork

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Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

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Chapter 2

Data Structure Documentation

2.1 DataFile Class Reference

Public Member Functions

- **DataFile** (std::string _filename)
- void **createDataset** (std::string datasetName, std::vector< int > dimensions)
- void **createAttribute** (std::string, double)
- template<typename Data >
  void **addData** (std::string datasetName, Data data)

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

- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/datafile.h
- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/datafile.cpp

2.2 ElectrodeParameters Struct Reference

Data Fields

- double **pos**
- int **edge**
- double **voltage**

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

- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/parameterstorage.h

2.3 myDebugger Class Reference

Static Public Member Functions

- static void **debugPrint** (std::string message, std::string key)

Static Public Attributes

- static int **funcTraceLevel** =-1
- static std::set< std::string > **debugKeys** ={"funcTrace"}

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

- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/debug.h
- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/debug.cpp

2.4 ParameterStorage Class Reference

Public Member Functions

- **ParameterStorage** (std::string)

Data Fields

- std::string **gate**
- std::string **geometry**
- std::map< std::string, double > **parameters**
- std::vector< ElectrodeParameters > **electrodes**
- std::string **workingDirecotry** ="./"
- bool **makeNewDevice** = false
- std::vector< double > **inputVoltages**

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

- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/parameterstorage.h
- /home/marlon/Documents/Uni/masterChemie/MCNetwork/src/parameterstorage.cpp

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