cvc_libwrapper

Generated by Doxygen 1.8.6

Fri Jul 1 2016 07:40:10

Contents

1 Class Index **1**

1.1 Class List 1

2 Class Documentation **3**

2.1 cvc::cvc::complex Struct Reference 3

2.2 cvc::complex Struct Reference 3

2.3 cvc::dble_vec_t Struct Reference 3

2.4 cvc::DML_Checksum Struct Reference 4

2.5 cvc::cvc::DML_Checksum Struct Reference 4

2.6 cvc::eigensystem_type Struct Reference 4

2.7 cvc::cvc::gsp_type Struct Reference 4

2.8 cvc::gsp_type Struct Reference 5

2.9 cvc::m_m_2pt_type Struct Reference 5

2.10 cvc::cvc::m_m_2pt_type Struct Reference 5

2.11 cvc::cvc::momentum_info_struct Struct Reference 5

2.12 cvc::momentum_info_struct Struct Reference 6

2.13 option Struct Reference 6

2.14 cvc::perambulator_type Struct Reference 6

2.15 cvc::randomvector_type Struct Reference 7

2.16 tmLQCD_lat_params Struct Reference 7

2.17 tmLQCD_mpi_params Struct Reference 7

2.18 cvc::vec_t Struct Reference 8

2.19 yy_buffer_state Struct Reference 8

2.19.1 Member Data Documentation 8

2.19.1.1 yy_bs_column 8

2.19.1.2 yy_bs_lineno 8

2.20 yy_trans_info Struct Reference 9

Index **10**

Chapter 1

Class Index

1.1 Class List

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

cvc::cvc::complex . . . 3
cvc::complex . . . 3
cvc::dble_vec_t . . . 3
cvc::DML_Checksum . . . 4
cvc::cvc::DML_Checksum . . . 4
cvc::eigensystem_type . . . 4
cvc::cvc::gsp_type . . . 4
cvc::gsp_type . . . 5
cvc::m_m_2pt_type . . . 5
cvc::cvc::m_m_2pt_type . . . 5
cvc::cvc::momentum_info_struct . . . 5
cvc::momentum_info_struct . . . 6
option . . . 6
cvc::perambulator_type . . . 6
cvc::randomvector_type . . . 7
tmLQCD_lat_params . . . 7
tmLQCD_mpi_params . . . 7
cvc::vec_t . . . 8
yy_buffer_state . . . 8
yy_trans_info . . . 9

Chapter 2

Class Documentation

2.1 cvc::cvc::complex Struct Reference

Public Attributes

- double **re**
- double **im**

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

- prepare_propagator.cpp

2.2 cvc::complex Struct Reference

Public Attributes

- double **re**
- double **im**

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

- cvc_complex.h

2.3 cvc::dble_vec_t Struct Reference

Public Attributes

- vec_t **c1**
- vec_t **c2**

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

- ranlxd.cpp
- ranlxs.cpp

2.4 cvc::DML_Checksum Struct Reference

Public Attributes

- uint32_t **suma**
- uint32_t **sumb**

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

- dml.h

2.5 cvc::cvc::DML_Checksum Struct Reference

Public Attributes

- uint32_t **suma**
- uint32_t **sumb**

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

- prepare_propagator.cpp

2.6 cvc::eigensystem_type Struct Reference

Public Attributes

- int **nt**
- int **nv**
- double *** **v**
- double * **evec**
- double * **eval**
- double * **phase**

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

- laphs.h

2.7 cvc::cvc::gsp_type Struct Reference

Public Attributes

- double ***** **v**
- double * **ptr**
- int **np**
- int **ng**
- int **nt**
- int **nv**

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

- prepare_propagator.cpp

2.8 cvc::gsp_type Struct Reference

Public Attributes

- double ***** **v**
- double * **ptr**
- int **np**
- int **ng**
- int **nt**
- int **nv**

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

- types.h

2.9 cvc::m_m_2pt_type Struct Reference

Public Attributes

- int **gi**
- int **gf**
- int **pi** [3]
- int **pf** [3]

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

- types.h

2.10 cvc::cvc::m_m_2pt_type Struct Reference

Public Attributes

- int **gi**
- int **gf**
- int **pi** [3]
- int **pf** [3]

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

- prepare_propagator.cpp

2.11 cvc::cvc::momentum_info_struct Struct Reference

Public Attributes

- int **filename_set**
- int **number**
- int ** **list**
- char **filename** [200]

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

- prepare_propagator.cpp

2.12 cvc::momentum_info_struct Struct Reference

Public Attributes

- int **filename_set**
- int **number**
- int ** **list**
- char **filename** [200]

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

- global.h

2.13 option Struct Reference

Public Attributes

- char * **name**
- int **has_arg**
- int * **flag**
- int **val**

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

- getopt.h

2.14 cvc::perambulator_type Struct Reference

Public Attributes

- int **nt_src**
- int **ns_src**
- int **nv_src**
- int **nt_snk**
- int **ns_snk**
- int **nv_snk**
- double **** **v**
- double * **p**
- char **quark_type** [2]
- char **snk_type** [20]
- int **irnd**
- int **nc_snk**

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

- laphs.h

2.15 cvc::randomvector_type Struct Reference

Public Attributes

- int **nt**
- int **ns**
- int **nv**
- double * **rvec**

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

- laphs.h

2.16 tmLQCD_lat_params Struct Reference

Public Attributes

- unsigned int **LX**
- unsigned int **LY**
- unsigned int **LZ**
- unsigned int **T**
- unsigned int **nstore**
- unsigned int **nsave**
- unsigned int **no_operators**

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

- tmLQCD.h

2.17 tmLQCD_mpi_params Struct Reference

Public Attributes

- unsigned int **nproc**
- unsigned int **nproc_t**
- unsigned int **nproc_x**
- unsigned int **nproc_y**
- unsigned int **nproc_z**
- unsigned int **cart_id**
- unsigned int **proc_id**
- unsigned int **time_rank**
- unsigned int **omp_num_threads**
- unsigned int **proc_coords** [4]

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

- tmLQCD.h

2.18 cvc::vec_t Struct Reference

Public Attributes

- int **c1**
- int **c2**
- int **c3**
- int **c4**

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

- ranlxd.cpp
- ranlxs.cpp

2.19 yy_buffer_state Struct Reference

Public Attributes

- FILE * **yy_input_file**
- char * **yy_ch_buf**
- char * **yy_buf_pos**
- yy_size_t **yy_buf_size**
- yy_size_t **yy_n_chars**
- int **yy_is_our_buffer**
- int **yy_is_interactive**
- int **yy_at_bol**
- int yy_bs_lineno
- int yy_bs_column
- int **yy_fill_buffer**
- int **yy_buffer_status**
- int **yy_n_chars**

2.19.1 Member Data Documentation

2.19.1.1 int yy_buffer_state::yy_bs_column

The column count.

2.19.1.2 int yy_buffer_state::yy_bs_lineno

The line count.

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

- read_input_parser.cpp
- read_input_parser_cvc.cpp

2.20 yy_trans_info Struct Reference

Public Attributes

- flex_int32_t **yy_verify**
- flex_int32_t **yy_nxt**

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

- read_input_parser.cpp
- read_input_parser_cvc.cpp

Index

cvc::DML_Checksum, 4
cvc::complex, 3
cvc::cvc::DML_Checksum, 4
cvc::cvc::complex, 3
cvc::cvc::gsp_type, 4
cvc::cvc::m_m_2pt_type, 5
cvc::cvc::momentum_info_struct, 5
cvc::dble_vec_t, 3
cvc::eigensystem_type, 4
cvc::gsp_type, 5
cvc::m_m_2pt_type, 5
cvc::momentum_info_struct, 6
cvc::perambulator_type, 6
cvc::randomvector_type, 7
cvc::vec_t, 8

option, 6

tmLQCD_lat_params, 7
tmLQCD_mpi_params, 7

yy_bs_column
    yy_buffer_state, 8
yy_bs_lineno
    yy_buffer_state, 8
yy_buffer_state, 8
    yy_bs_column, 8
    yy_bs_lineno, 8
yy_trans_info, 9