My Project

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Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 2

Class Index

2.1 Class List

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

Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

Chapter 4

Class Documentation

4.1 Ant Class Reference

```
#include <ant.h>
```

Collaboration diagram for Ant:

Public Member Functions

- Ant (int x, int y)

Public Attributes

- int x
- int y
- int dir

4.1.1 Constructor & Destructor Documentation

4.1.1.1 Ant()

```
Ant::Ant (
            int x,
            int y )  [inline]
```

4.1.2 Member Data Documentation

4.1.2.1 dir

```
int Ant::dir
```

4.1.2.2 x

```
int Ant::x
```

4.1.2.3 y

```
int Ant::y
```

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

- ant.h

4.2 AntThread Class Reference

```
#include <antthread.h>
```

Inheritance diagram for AntThread:

Collaboration diagram for AntThread:

Signals

- void step (const int &)

Public Member Functions

- AntThread (Ants *ants, int ***grids, int width, int height, int delay, int numAnts, int pheromone, int nbr↩ Pheromone, int evaporation, int min, int max, int cellAntMax)
- ~AntThread ()
- void run ()
- void finish ()
- void pause ()
- bool isRunnung ()

4.2.1 Constructor & Destructor Documentation

4.2.1.1 AntThread()

```
AntThread::AntThread (
            Ants * ants,
            int *** grids,
            int width,
            int height,
            int delay,
            int numAnts,
            int pheromone,
            int nbrPheromone,
            int evaporation,
            int min,
            int max,
            int cellAntMax )
```

4.2.1.2 ~AntThread()

```
AntThread::~AntThread ( )
```

4.2.2 Member Function Documentation

4.2.2.1 finish()

```
void AntThread::finish ( )  [inline]
```

4.2.2.2 isRunnung()

```
bool AntThread::isRunnung ( )  [inline]
```

4.2.2.3 pause()

```
void AntThread::pause ( )  [inline]
```

4.2.2.4 run()

```
void AntThread::run ( )
```

4.2.2.5 step

```
void AntThread::step (
            const int & _t1 )  [signal]
```

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

- antthread.h
- antthread.cpp
- moc_antthread.cpp

4.3 AntWin Class Reference

```
#include <antwin.h>
```

Inheritance diagram for AntWin:

Collaboration diagram for AntWin:

Public Slots

- void step (const int &)

Public Member Functions

- AntWin (int width=100, int height=75, int delay=120, int numAnts=100, int pheromone=10, int nbh↩ Pheromon=3, int evaporation=2, int cellDef=1, int min=2, int max=50, int cellAntMax=4, QWidget ∗parent=0)
- void closeEvent (QCloseEvent ∗event)
- void keyPressEvent (QKeyEvent ∗event)
- virtual ∼AntWin ()
- void paintEvent (QPaintEvent ∗)

Public Attributes

- AntThread ∗ antThread

4.3.1 Constructor & Destructor Documentation

4.3.1.1 AntWin()

```
AntWin::AntWin (
            int width = 100,
            int height = 75,
            int delay = 120,
            int numAnts = 100,
            int pheromone = 10,
            int nbhPheromon = 3,
            int evaporation = 2,
            int cellDef = 1,
            int min = 2,
            int max = 50,
            int cellAntMax = 4,
            QWidget * parent = 0 )
```

4.3.1.2 ~AntWin()

```
AntWin::~AntWin ( )  [virtual]
```

4.3.2 Member Function Documentation

4.3.2.1 closeEvent()

```
void AntWin::closeEvent (
            QCloseEvent * event )  [inline]
```

4.3.2.2 keyPressEvent()

```
void AntWin::keyPressEvent (
            QKeyEvent * event )  [inline]
```

4.3.2.3 paintEvent()

```
void AntWin::paintEvent (
            QPaintEvent *  )
```

4.3.2.4 step

```
void AntWin::step (
            const int & gridIdx )  [slot]
```

4.3.3 Member Data Documentation

4.3.3.1 antThread

```
AntThread* AntWin::antThread
```

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

- antwin.h
- antwin.cpp

4.4 qt_meta_stringdata_AntThread_t Struct Reference

Collaboration diagram for qt_meta_stringdata_AntThread_t:

Public Attributes

- QByteArrayData data [3]
- char stringdata0 [16]

4.4.1 Member Data Documentation

4.4.1.1 data

```
QByteArrayData qt_meta_stringdata_AntThread_t::data[3]
```

4.4.1.2 stringdata0

```
char qt_meta_stringdata_AntThread_t::stringdata0[16]
```

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

- moc_antthread.cpp

4.5 qt_meta_stringdata_AntWin_t Struct Reference

Collaboration diagram for qt_meta_stringdata_AntWin_t:

Public Attributes

- QByteArrayData data [3]
- char stringdata0 [13]

4.5.1 Member Data Documentation

4.5.1.1 data

```
QByteArrayData qt_meta_stringdata_AntWin_t::data[3]
```

4.5.1.2 stringdata0

```
char qt_meta_stringdata_AntWin_t::stringdata0[13]
```

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

- moc_antwin.cpp

Chapter 5

File Documentation

5.1 ant.h File Reference

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

5.2 antthread.cpp File Reference

```
#include "antthread.h"
#include <QDebug>
#include <cmath>
#include <QDateTime>
```

Include dependency graph for antthread.cpp:

5.3 antthread.h File Reference

```
#include <QThread>
#include "ant.h"
```

Include dependency graph for antthread.h: This graph shows which files directly or indirectly include this file:

Classes

- class AntThread

5.4 antwin.cpp File Reference

```
#include "antwin.h"
#include <QDebug>
```

Include dependency graph for antwin.cpp:

5.5 antwin.h File Reference

```
#include <QMainWindow>
#include <QPainter>
#include <QString>
#include <QCloseEvent>
#include "antthread.h"
#include "ant.h"
```

Include dependency graph for antwin.h: This graph shows which files directly or indirectly include this file:

Classes

- class AntWin

5.6 main.cpp File Reference

```
#include <QApplication>
#include <QDesktopWidget>
#include <QDebug>
#include <QDateTime>
#include <QCommandLineOption>
#include <QCommandLineParser>
#include "antwin.h"
```

Include dependency graph for main.cpp:

Functions

- int main (int argc, char ∗argv[ ])

5.6.1 Function Documentation

5.6.1.1 main()

```
int main (
            int argc,
            char * argv[] )
```

5.7 moc_antthread.cpp File Reference

```
#include <memory>
#include "antthread.h"
#include <QtCore/qbytearray.h>
#include <QtCore/qmetatype.h>
```

Include dependency graph for moc_antthread.cpp:

Classes

- struct qt_meta_stringdata_AntThread_t

Macros

- #define QT_MOC_LITERAL(idx, ofs, len)

5.7.1 Macro Definition Documentation

5.7.1.1 QT_MOC_LITERAL

```
#define QT_MOC_LITERAL(
              idx,
              ofs,
              len )
```

Value:

```
Q_STATIC_BYTE_ARRAY_DATA_HEADER_INITIALIZER_WITH_OFFSET(len, \
    qptrdiff(offsetof(qt_meta_stringdata_AntThread_t, stringdata0) + ofs \
        - idx * sizeof(QByteArrayData)) \
    )
```

5.8 moc_antwin.cpp File Reference

```
#include <memory>
#include "antwin.h"
#include <QtCore/qbytearray.h>
#include <QtCore/qmetatype.h>
```

Include dependency graph for moc_antwin.cpp:

Classes

- struct qt_meta_stringdata_AntWin_t

Macros

- #define QT_MOC_LITERAL(idx, ofs, len)

5.8.1 Macro Definition Documentation

5.8.1.1 QT_MOC_LITERAL

```
#define QT_MOC_LITERAL(
                idx,
                ofs,
                len )
```

Value:

```
Q_STATIC_BYTE_ARRAY_DATA_HEADER_INITIALIZER_WITH_OFFSET(len, \
    qptrdiff(offsetof(qt_meta_stringdata_AntWin_t, stringdata0) + ofs \
        - idx * sizeof(QByteArrayData)) \
    )
```

5.9 moc_predefs.h File Reference

Macros

- #define __SSP_STRONG__ 3
- #define __DBL_MIN_EXP__ (-1021)
- #define __FLT32X_MAX_EXP__ 1024
- #define __cpp_attributes 200809
- #define __UINT_LEAST16_MAX__ 0xffff
- #define __ATOMIC_ACQUIRE 2
- #define __FLT128_MAX_10_EXP__ 4932
- #define __FLT_MIN__ 1.17549435082228750796873653722224568e-38F
- #define __GCC_IEC_559_COMPLEX 2
- #define __cpp_aggregate_nsdmi 201304
- #define __UINT_LEAST8_TYPE__ unsigned char
- #define __SIZEOF_FLOAT80__ 16
- #define __INTMAX_C(c) c ## L
- #define __CHAR_BIT__ 8
- #define __UINT8_MAX__ 0xff
- #define __WINT_MAX__ 0xffffffffU
- #define __FLT32_MIN_EXP__ (-125)
- #define __cpp_static_assert 200410
- #define __ORDER_LITTLE_ENDIAN__ 1234
- #define __SIZE_MAX__ 0xffffffffffffffffUL
- #define __WCHAR_MAX__ 0x7fffffff
- #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_1 1
- #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_2 1
- #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_4 1
- #define __DBL_DENORM_MIN__ double(4.94065645841246544176568792868221372e-324L)
- #define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_8 1
- #define __GCC_ATOMIC_CHAR_LOCK_FREE 2
- #define __GCC_IEC_559 2
- #define __FLT32X_DECIMAL_DIG__ 17
- #define __FLT_EVAL_METHOD__ 0
- #define __unix__ 1
- #define __cpp_binary_literals 201304
- #define __FLT64_DECIMAL_DIG__ 17
- #define __GCC_ATOMIC_CHAR32_T_LOCK_FREE 2
- #define __x86_64 1

- #define __cpp_variadic_templates 200704
- #define __UINT_FAST64_MAX__ 0xffffffffffffffffUL
- #define __SIG_ATOMIC_TYPE__ int
- #define __DBL_MIN_10_EXP__ (-307)
- #define __FINITE_MATH_ONLY__ 0
- #define __cpp_variable_templates 201304
- #define __GNUC_PATCHLEVEL__ 0
- #define __FLT32_HAS_DENORM__ 1
- #define __UINT_FAST8_MAX__ 0xff
- #define __has_include(STR) __has_include__(STR)
- #define __DEC64_MAX_EXP__ 385
- #define __INT8_C(c) c
- #define __INT_LEAST8_WIDTH__ 8
- #define __UINT_LEAST64_MAX__ 0xffffffffffffffffUL
- #define __SHRT_MAX__ 0x7fff
- #define __LDBL_MAX__ 1.189731495357231765021263853030970 21e+4932L
- #define __FLT64X_MAX_10_EXP__ 4932
- #define __UINT_LEAST8_MAX__ 0xff
- #define __GCC_ATOMIC_BOOL_LOCK_FREE 2
- #define __FLT128_DENORM_MIN__ 6.47517511943802511092443895822764655e-4966F128
- #define __UINTMAX_TYPE__ long unsigned int
- #define __linux 1
- #define __DEC32_EPSILON__ 1E-6DF
- #define __FLT_EVAL_METHOD_TS_18661_3__ 0
- #define __OPTIMIZE__ 1
- #define __unix 1
- #define __UINT32_MAX__ 0xffffffffU
- #define __GXX_EXPERIMENTAL_CXX0X__ 1
- #define __LDBL_MAX_EXP__ 16384
- #define __FLT128_MIN_EXP__ (-16381)
- #define __WINT_MIN__ 0U
- #define __linux__ 1
- #define __FLT128_MIN_10_EXP__ (-4931)
- #define __INT_LEAST16_WIDTH__ 16
- #define __SCHAR_MAX__ 0x7f
- #define __FLT128_MANT_DIG__ 113
- #define __WCHAR_MIN__ (-__WCHAR_MAX__ - 1)
- #define __INT64_C(c) c ## L
- #define __DBL_DIG__ 15
- #define __GCC_ATOMIC_POINTER_LOCK_FREE 2
- #define __FLT64X_MANT_DIG__ 64
- #define _FORTIFY_SOURCE 2
- #define __SIZEOF_INT__ 4
- #define __SIZEOF_POINTER__ 8
- #define __GCC_ATOMIC_CHAR16_T_LOCK_FREE 2
- #define __USER_LABEL_PREFIX__
- #define __FLT64X_EPSILON__ 1.08420217248550443400745280086994171e-19F64x
- #define __STDC_HOSTED__ 1
- #define __LDBL_HAS_INFINITY__ 1
- #define __FLT32_DIG__ 6
- #define __FLT_EPSILON__ 1.19209289550781250000000000000000000e-7F
- #define __GXX_WEAK__ 1
- #define __SHRT_WIDTH__ 16
- #define __LDBL_MIN__ 3.36210314311209350626267781732175260e-4932L
- #define __DEC32_MAX__ 9.999999E96DF

- #define __cpp_threadsafe_static_init 200806
- #define __FLT64X_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951F64x
- #define __FLT32X_HAS_INFINITY__ 1
- #define __INT32_MAX__ 0x7fffffff
- #define __INT_WIDTH__ 32
- #define __SIZEOF_LONG__ 8
- #define __STDC_IEC_559__ 1
- #define __STDC_ISO_10646__ 201706L
- #define __UINT16_C(c) c
- #define __PTRDIFF_WIDTH__ 64
- #define __DECIMAL_DIG__ 21
- #define __FLT64_EPSILON__ 2.22044604925031308084726333618164062e-16F64
- #define __gnu_linux__ 1
- #define __INTMAX_WIDTH__ 64
- #define __FLT64_MIN_EXP__ (-1021)
- #define __has_include_next(STR) __has_include_next__(STR)
- #define __FLT64X_MIN_10_EXP__ (-4931)
- #define __LDBL_HAS_QUIET_NAN__ 1
- #define __FLT64_MANT_DIG__ 53
- #define __GNUC__ 7
- #define __GXX_RTTI 1
- #define __pie__ 2
- #define __MMX__ 1
- #define __cpp_delegating_constructors 200604
- #define __FLT_HAS_DENORM__ 1
- #define __SIZEOF_LONG_DOUBLE__ 16
- #define __BIGGEST_ALIGNMENT__ 16
- #define __STDC_UTF_16__ 1
- #define __FLT64_MAX_10_EXP__ 308
- #define __FLT32_HAS_INFINITY__ 1
- #define __DBL_MAX__ double(1.79769313486231570814527423731704357e+308L)
- #define __cpp_raw_strings 200710
- #define __INT_FAST32_MAX__ 0x7fffffffffffffffL
- #define __DBL_HAS_INFINITY__ 1
- #define __INT64_MAX__ 0x7fffffffffffffffL
- #define __DEC32_MIN_EXP__ (-94)
- #define __INTPTR_WIDTH__ 64
- #define __FLT32X_HAS_DENORM__ 1
- #define __INT_FAST16_TYPE__ long int
- #define __LDBL_HAS_DENORM__ 1
- #define __cplusplus 201402L
- #define __cpp_ref_qualifiers 200710
- #define __DEC128_MAX__ 9.999999999999999999999999999999999E6144DL
- #define __INT_LEAST32_MAX__ 0x7fffffff
- #define __DEC32_MIN__ 1E-95DF
- #define __DEPRECATED 1
- #define __cpp_rvalue_references 200610
- #define __DBL_MAX_EXP__ 1024
- #define __WCHAR_WIDTH__ 32
- #define __FLT32_MAX__ 3.40282346638528859811704183484516925e+38F32
- #define __DEC128_EPSILON__ 1E-33DL
- #define __SSE2_MATH__ 1
- #define __ATOMIC_HLE_RELEASE 131072
- #define __PTRDIFF_MAX__ 0x7fffffffffffffffL
- #define __amd64 1

- #define __STDC_NO_THREADS__ 1
- #define __ATOMIC_HLE_ACQUIRE 65536
- #define __FLT32_HAS_QUIET_NAN__ 1
- #define __GNUG__ 7
- #define __LONG_LONG_MAX__ 0x7fffffffffffffffLL
- #define __SIZEOF_SIZE_T__ 8
- #define __cpp_rvalue_reference 200610
- #define __cpp_nsdmi 200809
- #define __FLT64X_MIN_EXP__ (-16381)
- #define __SIZEOF_WINT_T__ 4
- #define __LONG_LONG_WIDTH__ 64
- #define __cpp_initializer_lists 200806
- #define __FLT32_MAX_EXP__ 128
- #define __cpp_hex_float 201603
- #define __GCC_HAVE_DWARF2_CFI_ASM 1
- #define __GXX_ABI_VERSION 1011
- #define __FLT128_HAS_INFINITY__ 1
- #define __FLT_MIN_EXP__ (-125)
- #define __cpp_lambdas 200907
- #define __FLT64X_HAS_QUIET_NAN__ 1
- #define __INT_FAST64_TYPE__ long int
- #define __FLT64_DENORM_MIN__ 4.94065645841246544176568792868221372e-324F64
- #define __DBL_MIN__ double(2.22507385850720138309023271733240406e-308L)
- #define __PIE__ 2
- #define __LP64__ 1
- #define __FLT32X_EPSILON__ 2.22044604925031308084726333618164062e-16F32x
- #define __DECIMAL_BID_FORMAT__ 1
- #define __FLT64_MIN_10_EXP__ (-307)
- #define __FLT64X_DECIMAL_DIG__ 21
- #define __DEC128_MIN__ 1E-6143DL
- #define __REGISTER_PREFIX__
- #define __UINT16_MAX__ 0xffff
- #define __DBL_HAS_DENORM__ 1
- #define __FLT32_MIN__ 1.17549435082228750796873653722224568e-38F32
- #define __UINT8_TYPE__ unsigned char
- #define __FLT_MANT_DIG__ 24
- #define __LDBL_DECIMAL_DIG__ 21
- #define __VERSION__ "7.5.0"
- #define __UINT64_C(c) c ## UL
- #define __cpp_unicode_characters 200704
- #define _STDC_PREDEF_H 1
- #define __cpp_decltype_auto 201304
- #define __GCC_ATOMIC_INT_LOCK_FREE 2
- #define __FLT128_MAX_EXP__ 16384
- #define __FLT32_MANT_DIG__ 24
- #define __FLOAT_WORD_ORDER__ __ORDER_LITTLE_ENDIAN__
- #define __STDC_IEC_559_COMPLEX__ 1
- #define __FLT128_HAS_DENORM__ 1
- #define __FLT128_DIG__ 33
- #define __SCHAR_WIDTH__ 8
- #define __INT32_C(c) c
- #define __DEC64_EPSILON__ 1E-15DD
- #define __ORDER_PDP_ENDIAN__ 3412
- #define __DEC128_MIN_EXP__ (-6142)
- #define __FLT32_MAX_10_EXP__ 38

- #define __INT_FAST32_TYPE__ long int
- #define __UINT_LEAST16_TYPE__ short unsigned int
- #define __FLT64X_HAS_INFINITY__ 1
- #define unix 1
- #define __INT16_MAX__ 0x7fff
- #define __cpp_rtti 199711
- #define __SIZE_TYPE__ long unsigned int
- #define __UINT64_MAX__ 0xffffffffffffffffUL
- #define __FLT64X_DIG__ 18
- #define __INT8_TYPE__ signed char
- #define __cpp_digit_separators 201309
- #define __ELF__ 1
- #define __GCC_ASM_FLAG_OUTPUTS__ 1
- #define __FLT_RADIX__ 2
- #define __INT_LEAST16_TYPE__ short int
- #define __LDBL_EPSILON__ 1.08420217248550443400745280086994171e-19L
- #define __UINTMAX_C(c) c ## UL
- #define __GLIBCXX_BITSIZE_INT_N_0 128
- #define __k8 1
- #define __SIG_ATOMIC_MAX__ 0x7fffffff
- #define __GCC_ATOMIC_WCHAR_T_LOCK_FREE 2
- #define __cpp_sized_deallocation 201309
- #define __SIZEOF_PTRDIFF_T__ 8
- #define __FLT32X_MANT_DIG__ 53
- #define __x86_64__ 1
- #define __FLT32X_MIN_EXP__ (-1021)
- #define __DEC32_SUBNORMAL_MIN__ 0.000001E-95DF
- #define __INT_FAST16_MAX__ 0x7fffffffffffffffL
- #define __FLT64_DIG__ 15
- #define __UINT_FAST32_MAX__ 0xffffffffffffffffUL
- #define __UINT_LEAST64_TYPE__ long unsigned int
- #define __FLT_HAS_QUIET_NAN__ 1
- #define __FLT_MAX_10_EXP__ 38
- #define __LONG_MAX__ 0x7fffffffffffffffL
- #define __FLT64X_HAS_DENORM__ 1
- #define __DEC128_SUBNORMAL_MIN__ 0.000000000000000000000000000000001E-6143DL
- #define __FLT_HAS_INFINITY__ 1
- #define __cpp_unicode_literals 200710
- #define __UINT_FAST16_TYPE__ long unsigned int
- #define __DEC64_MAX__ 9.999999999999999E384DD
- #define __INT_FAST32_WIDTH__ 64
- #define __CHAR16_TYPE__ short unsigned int
- #define __PRAGMA_REDEFINE_EXTNAME 1
- #define __SIZE_WIDTH__ 64
- #define __SEG_FS 1
- #define __INT_LEAST16_MAX__ 0x7fff
- #define __DEC64_MANT_DIG__ 16
- #define __UINT_LEAST32_MAX__ 0xffffffffU
- #define __SEG_GS 1
- #define __FLT32_DENORM_MIN__ 1.40129846432481707092372958328991613e-45F32
- #define __GCC_ATOMIC_LONG_LOCK_FREE 2
- #define __SIG_ATOMIC_WIDTH__ 32
- #define __INT_LEAST64_TYPE__ long int
- #define __INT16_TYPE__ short int
- #define __INT_LEAST8_TYPE__ signed char

- #define __DEC32_MAX_EXP__ 97
- #define __INT_FAST8_MAX__ 0x7f
- #define __FLT128_MAX__ 1.189731495357231765085759326628007 02e+4932F128
- #define __INTPTR_MAX__ 0x7fffffffffffffffL
- #define linux 1
- #define __cpp_range_based_for 200907
- #define __FLT64_HAS_QUIET_NAN__ 1
- #define __FLT32_MIN_10_EXP__ (-37)
- #define __SSE2__ 1
- #define __EXCEPTIONS 1
- #define __LDBL_MANT_DIG__ 64
- #define __DBL_HAS_QUIET_NAN__ 1
- #define __FLT64_HAS_INFINITY__ 1
- #define __FLT64X_MAX__ 1.189731495357231765021263853030970 21e+4932F64x
- #define __SIG_ATOMIC_MIN__ (-__SIG_ATOMIC_MAX__ - 1)
- #define __code_model_small__ 1
- #define __cpp_return_type_deduction 201304
- #define __k8__ 1
- #define __INTPTR_TYPE__ long int
- #define __UINT16_TYPE__ short unsigned int
- #define __WCHAR_TYPE__ int
- #define __SIZEOF_FLOAT__ 4
- #define __pic__ 2
- #define __UINTPTR_MAX__ 0xffffffffffffffffUL
- #define __INT_FAST64_WIDTH__ 64
- #define __DEC64_MIN_EXP__ (-382)
- #define __cpp_decltype 200707
- #define __FLT32_DECIMAL_DIG__ 9
- #define __INT_FAST64_MAX__ 0x7fffffffffffffffL
- #define __GCC_ATOMIC_TEST_AND_SET_TRUEVAL 1
- #define __FLT_DIG__ 6
- #define __FLT64X_MAX_EXP__ 16384
- #define __UINT_FAST64_TYPE__ long unsigned int
- #define __INT_MAX__ 0x7fffffff
- #define __amd64__ 1
- #define __INT64_TYPE__ long int
- #define __FLT_MAX_EXP__ 128
- #define __ORDER_BIG_ENDIAN__ 4321
- #define __DBL_MANT_DIG__ 53
- #define __cpp_inheriting_constructors 201511
- #define __SIZEOF_FLOAT128__ 16
- #define __INT_LEAST64_MAX__ 0x7fffffffffffffffL
- #define __DEC64_MIN__ 1E-383DD
- #define __WINT_TYPE__ unsigned int
- #define __UINT_LEAST32_TYPE__ unsigned int
- #define __SIZEOF_SHORT__ 2
- #define __SSE__ 1
- #define __LDBL_MIN_EXP__ (-16381)
- #define __FLT64_MAX__ 1.797693134862315708145274237317043 57e+308F64
- #define __WINT_WIDTH__ 32
- #define __INT_LEAST8_MAX__ 0x7f
- #define __FLT32X_MAX_10_EXP__ 308
- #define __SIZEOF_INT128__ 16
- #define __LDBL_MAX_10_EXP__ 4932
- #define __ATOMIC_RELAXED 0

- #define __DBL_EPSILON__ double(2.22044604925031308084726333618164062e-16L)
- #define __FLT128_MIN__ 3.36210314311209350626267781732175260e-4932F128
- #define _LP64 1
- #define __UINT8_C(c) c
- #define __FLT64_MAX_EXP__ 1024
- #define __INT_LEAST32_TYPE__ int
- #define __SIZEOF_WCHAR_T__ 4
- #define __FLT128_HAS_QUIET_NAN__ 1
- #define __INT_FAST8_TYPE__ signed char
- #define __FLT64X_MIN__ 3.36210314311209350626267781732175260e-4932F64x
- #define __GNUC_STDC_INLINE__ 1
- #define __FLT64_HAS_DENORM__ 1
- #define __FLT32_EPSILON__ 1.19209289550781250000000000000000000e-7F32
- #define __DBL_DECIMAL_DIG__ 17
- #define __STDC_UTF_32__ 1
- #define __INT_FAST8_WIDTH__ 8
- #define __FXSR__ 1
- #define __DEC_EVAL_METHOD__ 2
- #define __FLT32X_MAX__ 1.79769313486231570814527423731704357e+308F32x
- #define __cpp_runtime_arrays 198712
- #define __UINT64_TYPE__ long unsigned int
- #define __UINT32_C(c) c ## U
- #define __INTMAX_MAX__ 0x7fffffffffffffffL
- #define __cpp_alias_templates 200704
- #define __BYTE_ORDER__ __ORDER_LITTLE_ENDIAN__
- #define __FLT_DENORM_MIN__ 1.40129846432481707092372958328991613e-45F
- #define __INT8_MAX__ 0x7f
- #define __LONG_WIDTH__ 64
- #define __PIC__ 2
- #define __UINT_FAST32_TYPE__ long unsigned int
- #define __CHAR32_TYPE__ unsigned int
- #define __FLT_MAX__ 3.40282346638528859811704183484516925e+38F
- #define __cpp_constexpr 201304
- #define __INT32_TYPE__ int
- #define __SIZEOF_DOUBLE__ 8
- #define __cpp_exceptions 199711
- #define __FLT_MIN_10_EXP__ (-37)
- #define __FLT64_MIN__ 2.22507385850720138309023271733240406e-308F64
- #define __INT_LEAST32_WIDTH__ 32
- #define __INTMAX_TYPE__ long int
- #define __DEC128_MAX_EXP__ 6145
- #define __FLT32X_HAS_QUIET_NAN__ 1
- #define __ATOMIC_CONSUME 1
- #define __GNUC_MINOR__ 5
- #define __GLIBCXX_TYPE_INT_N_0 __int128
- #define __INT_FAST16_WIDTH__ 64
- #define __UINTMAX_MAX__ 0xffffffffffffffffUL
- #define __DEC32_MANT_DIG__ 7
- #define __FLT32X_DENORM_MIN__ 4.94065645841246544176568792868221372e-324F32x
- #define __DBL_MAX_10_EXP__ 308
- #define __LDBL_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951L
- #define __INT16_C(c) c
- #define __cpp_generic_lambdas 201304
- #define __STDC__ 1
- #define __FLT32X_DIG__ 15

- #define __PTRDIFF_TYPE__ long int
- #define __ATOMIC_SEQ_CST 5
- #define __UINT32_TYPE__ unsigned int
- #define __FLT32X_MIN_10_EXP__ (-307)
- #define __UINTPTR_TYPE__ long unsigned int
- #define __DEC64_SUBNORMAL_MIN__ 0.000000000000001E-383DD
- #define __DEC128_MANT_DIG__ 34
- #define __LDBL_MIN_10_EXP__ (-4931)
- #define __FLT128_EPSILON__ 1.92592994438723585305597794258492732e-34F128
- #define __SSE_MATH__ 1
- #define __SIZEOF_LONG_LONG__ 8
- #define __cpp_user_defined_literals 200809
- #define __FLT128_DECIMAL_DIG__ 36
- #define __GCC_ATOMIC_LLONG_LOCK_FREE 2
- #define __FLT32X_MIN__ 2.22507385850720138309023271733240406e-308F32x
- #define __LDBL_DIG__ 18
- #define __FLT_DECIMAL_DIG__ 9
- #define __UINT_FAST16_MAX__ 0xffffffffffffffffUL
- #define __GCC_ATOMIC_SHORT_LOCK_FREE 2
- #define __INT_LEAST64_WIDTH__ 64
- #define __UINT_FAST8_TYPE__ unsigned char
- #define _GNU_SOURCE 1
- #define __cpp_init_captures 201304
- #define __ATOMIC_ACQ_REL 4
- #define __ATOMIC_RELEASE 3

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5.9.1.1 __amd64

```
#define __amd64 1
```

5.9.1.2 __amd64__

```
#define __amd64__ 1
```

5.9.1.3 __ATOMIC_ACQ_REL

```
#define __ATOMIC_ACQ_REL 4
```

5.9.1.4 __ATOMIC_ACQUIRE

```
#define __ATOMIC_ACQUIRE 2
```

5.9.1.5 __ATOMIC_CONSUME

```
#define __ATOMIC_CONSUME 1
```

5.9.1.6 __ATOMIC_HLE_ACQUIRE

```
#define __ATOMIC_HLE_ACQUIRE 65536
```

5.9.1.7 __ATOMIC_HLE_RELEASE

```
#define __ATOMIC_HLE_RELEASE 131072
```

5.9.1.8 __ATOMIC_RELAXED

```
#define __ATOMIC_RELAXED 0
```

5.9.1.9 __ATOMIC_RELEASE

```
#define __ATOMIC_RELEASE 3
```

5.9.1.10 __ATOMIC_SEQ_CST

```
#define __ATOMIC_SEQ_CST 5
```

5.9.1.11 __BIGGEST_ALIGNMENT__

```
#define __BIGGEST_ALIGNMENT__ 16
```

5.9.1.12 __BYTE_ORDER__

```
#define __BYTE_ORDER__ __ORDER_LITTLE_ENDIAN__
```

5.9.1.13 __CHAR16_TYPE__

```
#define __CHAR16_TYPE__ short unsigned int
```

5.9.1.14 __CHAR32_TYPE__

```
#define __CHAR32_TYPE__ unsigned int
```

5.9.1.15 __CHAR_BIT__

```
#define __CHAR_BIT__ 8
```

5.9.1.16 __code_model_small__

```
#define __code_model_small__ 1
```

5.9.1.17 __cplusplus

```
#define __cplusplus 201402L
```

5.9.1.18 __cpp_aggregate_nsdmi

```
#define __cpp_aggregate_nsdmi 201304
```

5.9.1.19 __cpp_alias_templates

```
#define __cpp_alias_templates 200704
```

5.9.1.20 __cpp_attributes

```
#define __cpp_attributes 200809
```

5.9.1.21 __cpp_binary_literals

```
#define __cpp_binary_literals 201304
```

5.9.1.22 __cpp_constexpr

```
#define __cpp_constexpr 201304
```

5.9.1.23 __cpp_decltype

```
#define __cpp_decltype 200707
```

5.9.1.24 __cpp_decltype_auto

```
#define __cpp_decltype_auto 201304
```

5.9.1.25 __cpp_delegating_constructors

```
#define __cpp_delegating_constructors 200604
```

5.9.1.26 __cpp_digit_separators

```
#define __cpp_digit_separators 201309
```

5.9.1.27 __cpp_exceptions

```
#define __cpp_exceptions 199711
```

5.9.1.28 __cpp_generic_lambdas

```
#define __cpp_generic_lambdas 201304
```

5.9.1.29 __cpp_hex_float

```
#define __cpp_hex_float 201603
```

5.9.1.30 __cpp_inheriting_constructors

```
#define __cpp_inheriting_constructors 201511
```

5.9.1.31 __cpp_init_captures

```
#define __cpp_init_captures 201304
```

5.9.1.32 __cpp_initializer_lists

```
#define __cpp_initializer_lists 200806
```

5.9.1.33 __cpp_lambdas

```
#define __cpp_lambdas 200907
```

5.9.1.34 __cpp_nsdmi

```
#define __cpp_nsdmi 200809
```

5.9.1.35 __cpp_range_based_for

```
#define __cpp_range_based_for 200907
```

5.9.1.36 __cpp_raw_strings

```
#define __cpp_raw_strings 200710
```

5.9.1.37 __cpp_ref_qualifiers

```
#define __cpp_ref_qualifiers 200710
```

5.9.1.38 __cpp_return_type_deduction

```
#define __cpp_return_type_deduction 201304
```

5.9.1.39 __cpp_rtti

```
#define __cpp_rtti 199711
```

5.9.1.40 __cpp_runtime_arrays

```
#define __cpp_runtime_arrays 198712
```

5.9.1.41 __cpp_rvalue_reference

```
#define __cpp_rvalue_reference 200610
```

5.9.1.42 __cpp_rvalue_references

```
#define __cpp_rvalue_references 200610
```

5.9.1.43 __cpp_sized_deallocation

```
#define __cpp_sized_deallocation 201309
```

5.9.1.44 __cpp_static_assert

```
#define __cpp_static_assert 200410
```

5.9.1.45 __cpp_threadsafe_static_init

```
#define __cpp_threadsafe_static_init 200806
```

5.9.1.46 __cpp_unicode_characters

```
#define __cpp_unicode_characters 200704
```

5.9.1.47 __cpp_unicode_literals

```
#define __cpp_unicode_literals 200710
```

5.9.1.48 __cpp_user_defined_literals

```
#define __cpp_user_defined_literals 200809
```

5.9.1.49 __cpp_variable_templates

```
#define __cpp_variable_templates 201304
```

5.9.1.50 __cpp_variadic_templates

```
#define __cpp_variadic_templates 200704
```

5.9.1.51 __DBL_DECIMAL_DIG__

```
#define __DBL_DECIMAL_DIG__ 17
```

5.9.1.52 __DBL_DENORM_MIN__

```
#define __DBL_DENORM_MIN__ double(4.94065645841246544176568792868221372e-324L)
```

5.9.1.53 __DBL_DIG__

```
#define __DBL_DIG__ 15
```

5.9.1.54 __DBL_EPSILON__

```
#define __DBL_EPSILON__ double(2.22044604925031308084726333618164062e-16L)
```

5.9.1.55 __DBL_HAS_DENORM__

```
#define __DBL_HAS_DENORM__ 1
```

5.9.1.56 __DBL_HAS_INFINITY__

```
#define __DBL_HAS_INFINITY__ 1
```

5.9.1.57 __DBL_HAS_QUIET_NAN__

```
#define __DBL_HAS_QUIET_NAN__ 1
```

5.9.1.58 __DBL_MANT_DIG__

```
#define __DBL_MANT_DIG__ 53
```

5.9.1.59 __DBL_MAX_10_EXP__

```
#define __DBL_MAX_10_EXP__ 308
```

5.9.1.60 __DBL_MAX__

```
#define __DBL_MAX__ double(1.79769313486231570814527423731704357e+308L)
```

5.9.1.61 __DBL_MAX_EXP__

```
#define __DBL_MAX_EXP__ 1024
```

5.9.1.62 __DBL_MIN_10_EXP__

```
#define __DBL_MIN_10_EXP__ (-307)
```

5.9.1.63 __DBL_MIN__

```
#define __DBL_MIN__ double(2.22507385850720138309023271733240406e-308L)
```

5.9.1.64 __DBL_MIN_EXP__

```
#define __DBL_MIN_EXP__ (-1021)
```

5.9.1.65 __DEC128_EPSILON__

```
#define __DEC128_EPSILON__ 1E-33DL
```

5.9.1.66 __DEC128_MANT_DIG__

```
#define __DEC128_MANT_DIG__ 34
```

5.9.1.67 __DEC128_MAX__

```
#define __DEC128_MAX__ 9.999999999999999999999999999999999E6144DL
```

5.9.1.68 __DEC128_MAX_EXP__

```
#define __DEC128_MAX_EXP__ 6145
```

5.9.1.69 __DEC128_MIN__

```
#define __DEC128_MIN__ 1E-6143DL
```

5.9.1.70 __DEC128_MIN_EXP__

```
#define __DEC128_MIN_EXP__ (-6142)
```

5.9.1.71 __DEC128_SUBNORMAL_MIN__

```
#define __DEC128_SUBNORMAL_MIN__ 0.000000000000000000000000000000001E-6143DL
```

5.9.1.72 __DEC32_EPSILON__

```
#define __DEC32_EPSILON__ 1E-6DF
```

5.9.1.73 __DEC32_MANT_DIG__

```
#define __DEC32_MANT_DIG__ 7
```

5.9.1.74 __DEC32_MAX__

```
#define __DEC32_MAX__ 9.999999E96DF
```

5.9.1.75 __DEC32_MAX_EXP__

```
#define __DEC32_MAX_EXP__ 97
```

5.9.1.76 __DEC32_MIN__

```
#define __DEC32_MIN__ 1E-95DF
```

5.9.1.77 __DEC32_MIN_EXP__

```
#define __DEC32_MIN_EXP__ (-94)
```

5.9.1.78 __DEC32_SUBNORMAL_MIN__

```
#define __DEC32_SUBNORMAL_MIN__ 0.000001E-95DF
```

5.9.1.79 __DEC64_EPSILON__

```
#define __DEC64_EPSILON__ 1E-15DD
```

5.9.1.80 __DEC64_MANT_DIG__

```
#define __DEC64_MANT_DIG__ 16
```

5.9.1.81 __DEC64_MAX__

```
#define __DEC64_MAX__ 9.999999999999999E384DD
```

5.9.1.82 __DEC64_MAX_EXP__

```
#define __DEC64_MAX_EXP__ 385
```

5.9.1.83 __DEC64_MIN__

```
#define __DEC64_MIN__ 1E-383DD
```

5.9.1.84 __DEC64_MIN_EXP__

```
#define __DEC64_MIN_EXP__ (-382)
```

5.9.1.85 __DEC64_SUBNORMAL_MIN__

```
#define __DEC64_SUBNORMAL_MIN__ 0.000000000000001E-383DD
```

5.9.1.86 __DEC_EVAL_METHOD__

```
#define __DEC_EVAL_METHOD__ 2
```

5.9.1.87 __DECIMAL_BID_FORMAT__

```
#define __DECIMAL_BID_FORMAT__ 1
```

5.9.1.88 __DECIMAL_DIG__

```
#define __DECIMAL_DIG__ 21
```

5.9.1.89 __DEPRECATED

```
#define __DEPRECATED 1
```

5.9.1.90 __ELF__

```
#define __ELF__ 1
```

5.9.1.91 __EXCEPTIONS

```
#define __EXCEPTIONS 1
```

5.9.1.92 __FINITE_MATH_ONLY__

```
#define __FINITE_MATH_ONLY__ 0
```

5.9.1.93 __FLOAT_WORD_ORDER__

```
#define __FLOAT_WORD_ORDER__ __ORDER_LITTLE_ENDIAN__
```

5.9.1.94 __FLT128_DECIMAL_DIG__

```
#define __FLT128_DECIMAL_DIG__ 36
```

5.9.1.95 __FLT128_DENORM_MIN__

```
#define __FLT128_DENORM_MIN__ 6.475175119438025110924438958227646 55e-4966F128
```

5.9.1.96 __FLT128_DIG__

```
#define __FLT128_DIG__ 33
```

5.9.1.97 __FLT128_EPSILON__

```
#define __FLT128_EPSILON__ 1.92592994438723585305597794258492732e-34F128
```

5.9.1.98 __FLT128_HAS_DENORM__

```
#define __FLT128_HAS_DENORM__ 1
```

5.9.1.99 __FLT128_HAS_INFINITY__

```
#define __FLT128_HAS_INFINITY__ 1
```

5.9.1.100 __FLT128_HAS_QUIET_NAN__

```
#define __FLT128_HAS_QUIET_NAN__ 1
```

5.9.1.101 __FLT128_MANT_DIG__

```
#define __FLT128_MANT_DIG__ 113
```

5.9.1.102 __FLT128_MAX_10_EXP__

```
#define __FLT128_MAX_10_EXP__ 4932
```

5.9.1.103 __FLT128_MAX__

```
#define __FLT128_MAX__ 1.189731495357231765085759326628007 02e+4932F128
```

5.9.1.104 __FLT128_MAX_EXP__

```
#define __FLT128_MAX_EXP__ 16384
```

5.9.1.105 __FLT128_MIN_10_EXP__

```
#define __FLT128_MIN_10_EXP__ (-4931)
```

5.9.1.106 __FLT128_MIN__

```
#define __FLT128_MIN__ 3.362103143112093506262677817321752 60e-4932F128
```

5.9.1.107 __FLT128_MIN_EXP__

```
#define __FLT128_MIN_EXP__ (-16381)
```

5.9.1.108 __FLT32_DECIMAL_DIG__

```
#define __FLT32_DECIMAL_DIG__ 9
```

5.9.1.109 __FLT32_DENORM_MIN__

```
#define __FLT32_DENORM_MIN__ 1.40129846432481707092372958328991613e-45F32
```

5.9.1.110 __FLT32_DIG__

```
#define __FLT32_DIG__ 6
```

5.9.1.111 __FLT32_EPSILON__

```
#define __FLT32_EPSILON__ 1.19209289550781250000000000000000000e-7F32
```

5.9.1.112 __FLT32_HAS_DENORM__

```
#define __FLT32_HAS_DENORM__ 1
```

5.9.1.113 __FLT32_HAS_INFINITY__

```
#define __FLT32_HAS_INFINITY__ 1
```

5.9.1.114 __FLT32_HAS_QUIET_NAN__

```
#define __FLT32_HAS_QUIET_NAN__ 1
```

5.9.1.115 __FLT32_MANT_DIG__

```
#define __FLT32_MANT_DIG__ 24
```

5.9.1.116 __FLT32_MAX_10_EXP__

```
#define __FLT32_MAX_10_EXP__ 38
```

5.9.1.117 __FLT32_MAX__

```
#define __FLT32_MAX__ 3.40282346638528859811704183484516925e+38F32
```

5.9.1.118 __FLT32_MAX_EXP__

```
#define __FLT32_MAX_EXP__ 128
```

5.9.1.119 __FLT32_MIN_10_EXP__

```
#define __FLT32_MIN_10_EXP__ (-37)
```

5.9.1.120 __FLT32_MIN__

```
#define __FLT32_MIN__ 1.17549435082228750796873653722224568e-38F32
```

5.9.1.121 __FLT32_MIN_EXP__

```
#define __FLT32_MIN_EXP__ (-125)
```

5.9.1.122 __FLT32X_DECIMAL_DIG__

```
#define __FLT32X_DECIMAL_DIG__ 17
```

5.9.1.123 __FLT32X_DENORM_MIN__

```
#define __FLT32X_DENORM_MIN__ 4.94065645841246544176568792868221372e-324F32x
```

5.9.1.124 __FLT32X_DIG__

```
#define __FLT32X_DIG__ 15
```

5.9.1.125 __FLT32X_EPSILON__

```
#define __FLT32X_EPSILON__ 2.220446049250313080847263336181640 62e-16F32x
```

5.9.1.126 __FLT32X_HAS_DENORM__

```
#define __FLT32X_HAS_DENORM__ 1
```

5.9.1.127 __FLT32X_HAS_INFINITY__

```
#define __FLT32X_HAS_INFINITY__ 1
```

5.9.1.128 __FLT32X_HAS_QUIET_NAN__

```
#define __FLT32X_HAS_QUIET_NAN__ 1
```

5.9.1.129 __FLT32X_MANT_DIG__

```
#define __FLT32X_MANT_DIG__ 53
```

5.9.1.130 __FLT32X_MAX_10_EXP__

```
#define __FLT32X_MAX_10_EXP__ 308
```

5.9.1.131 __FLT32X_MAX__

```
#define __FLT32X_MAX__ 1.797693134862315708145274237317043 57e+308F32x
```

5.9.1.132 __FLT32X_MAX_EXP__

```
#define __FLT32X_MAX_EXP__ 1024
```

5.9.1.133 __FLT32X_MIN_10_EXP__

```
#define __FLT32X_MIN_10_EXP__ (-307)
```

5.9.1.134 __FLT32X_MIN__

```
#define __FLT32X_MIN__ 2.22507385850720138309023271733240406e-308F32x
```

5.9.1.135 __FLT32X_MIN_EXP__

```
#define __FLT32X_MIN_EXP__ (-1021)
```

5.9.1.136 __FLT64_DECIMAL_DIG__

```
#define __FLT64_DECIMAL_DIG__ 17
```

5.9.1.137 __FLT64_DENORM_MIN__

```
#define __FLT64_DENORM_MIN__ 4.94065645841246544176568792868221372e-324F64
```

5.9.1.138 __FLT64_DIG__

```
#define __FLT64_DIG__ 15
```

5.9.1.139 __FLT64_EPSILON__

```
#define __FLT64_EPSILON__ 2.22044604925031308084726333618164062e-16F64
```

5.9.1.140 __FLT64_HAS_DENORM__

```
#define __FLT64_HAS_DENORM__ 1
```

5.9.1.141 __FLT64_HAS_INFINITY__

```
#define __FLT64_HAS_INFINITY__ 1
```

5.9.1.142 __FLT64_HAS_QUIET_NAN__

```
#define __FLT64_HAS_QUIET_NAN__ 1
```

5.9.1.143 __FLT64_MANT_DIG__

```
#define __FLT64_MANT_DIG__ 53
```

5.9.1.144 __FLT64_MAX_10_EXP__

```
#define __FLT64_MAX_10_EXP__ 308
```

5.9.1.145 __FLT64_MAX__

```
#define __FLT64_MAX__ 1.79769313486231570814527423731704357e+308F64
```

5.9.1.146 __FLT64_MAX_EXP__

```
#define __FLT64_MAX_EXP__ 1024
```

5.9.1.147 __FLT64_MIN_10_EXP__

```
#define __FLT64_MIN_10_EXP__ (-307)
```

5.9.1.148 __FLT64_MIN__

```
#define __FLT64_MIN__ 2.22507385850720138309023271733240406e-308F64
```

5.9.1.149 __FLT64_MIN_EXP__

```
#define __FLT64_MIN_EXP__ (-1021)
```

5.9.1.150 __FLT64X_DECIMAL_DIG__

```
#define __FLT64X_DECIMAL_DIG__ 21
```

5.9.1.151 __FLT64X_DENORM_MIN__

```
#define __FLT64X_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951F64x
```

5.9.1.152 __FLT64X_DIG__

```
#define __FLT64X_DIG__ 18
```

5.9.1.153 __FLT64X_EPSILON__

```
#define __FLT64X_EPSILON__ 1.08420217248550443400745280086994171e-19F64x
```

5.9.1.154 __FLT64X_HAS_DENORM__

```
#define __FLT64X_HAS_DENORM__ 1
```

5.9.1.155 __FLT64X_HAS_INFINITY__

```
#define __FLT64X_HAS_INFINITY__ 1
```

5.9.1.156 __FLT64X_HAS_QUIET_NAN__

```
#define __FLT64X_HAS_QUIET_NAN__ 1
```

5.9.1.157 __FLT64X_MANT_DIG__

```
#define __FLT64X_MANT_DIG__ 64
```

5.9.1.158 __FLT64X_MAX_10_EXP__

```
#define __FLT64X_MAX_10_EXP__ 4932
```

5.9.1.159 __FLT64X_MAX__

```
#define __FLT64X_MAX__ 1.189731495357231765021263853030970 21e+4932F64x
```

5.9.1.160 __FLT64X_MAX_EXP__

```
#define __FLT64X_MAX_EXP__ 16384
```

5.9.1.161 __FLT64X_MIN_10_EXP__

```
#define __FLT64X_MIN_10_EXP__ (-4931)
```

5.9.1.162 __FLT64X_MIN__

```
#define __FLT64X_MIN__ 3.362103143112093506262677817321752 60e-4932F64x
```

5.9.1.163 __FLT64X_MIN_EXP__

```
#define __FLT64X_MIN_EXP__ (-16381)
```

5.9.1.164 __FLT_DECIMAL_DIG__

```
#define __FLT_DECIMAL_DIG__ 9
```

5.9.1.165 __FLT_DENORM_MIN__

```
#define __FLT_DENORM_MIN__ 1.40129846432481707092372958328991613e-45F
```

5.9.1.166 __FLT_DIG__

```
#define __FLT_DIG__ 6
```

5.9.1.167 __FLT_EPSILON__

```
#define __FLT_EPSILON__ 1.19209289550781250000000000000000000e-7F
```

5.9.1.168 __FLT_EVAL_METHOD__

```
#define __FLT_EVAL_METHOD__ 0
```

5.9.1.169 __FLT_EVAL_METHOD_TS_18661_3__

```
#define __FLT_EVAL_METHOD_TS_18661_3__ 0
```

5.9.1.170 __FLT_HAS_DENORM__

```
#define __FLT_HAS_DENORM__ 1
```

5.9.1.171 __FLT_HAS_INFINITY__

```
#define __FLT_HAS_INFINITY__ 1
```

5.9.1.172 __FLT_HAS_QUIET_NAN__

```
#define __FLT_HAS_QUIET_NAN__ 1
```

5.9.1.173 __FLT_MANT_DIG__

```
#define __FLT_MANT_DIG__ 24
```

5.9.1.174 __FLT_MAX_10_EXP__

```
#define __FLT_MAX_10_EXP__ 38
```

5.9.1.175 __FLT_MAX__

```
#define __FLT_MAX__ 3.40282346638528859811704183484516925e+38F
```

5.9.1.176 __FLT_MAX_EXP__

```
#define __FLT_MAX_EXP__ 128
```

5.9.1.177 __FLT_MIN_10_EXP__

```
#define __FLT_MIN_10_EXP__ (-37)
```

5.9.1.178 __FLT_MIN__

```
#define __FLT_MIN__ 1.17549435082228750796873653722224568e-38F
```

5.9.1.179 __FLT_MIN_EXP__

```
#define __FLT_MIN_EXP__ (-125)
```

5.9.1.180 __FLT_RADIX__

```
#define __FLT_RADIX__ 2
```

5.9.1.181 __FXSR__

```
#define __FXSR__ 1
```

5.9.1.182 __GCC_ASM_FLAG_OUTPUTS__

```
#define __GCC_ASM_FLAG_OUTPUTS__ 1
```

5.9.1.183 __GCC_ATOMIC_BOOL_LOCK_FREE

```
#define __GCC_ATOMIC_BOOL_LOCK_FREE 2
```

5.9.1.184 __GCC_ATOMIC_CHAR16_T_LOCK_FREE

```
#define __GCC_ATOMIC_CHAR16_T_LOCK_FREE 2
```

5.9.1.185 __GCC_ATOMIC_CHAR32_T_LOCK_FREE

```
#define __GCC_ATOMIC_CHAR32_T_LOCK_FREE 2
```

5.9.1.186 __GCC_ATOMIC_CHAR_LOCK_FREE

```
#define __GCC_ATOMIC_CHAR_LOCK_FREE 2
```

5.9.1.187 __GCC_ATOMIC_INT_LOCK_FREE

```
#define __GCC_ATOMIC_INT_LOCK_FREE 2
```

5.9.1.188 __GCC_ATOMIC_LLONG_LOCK_FREE

```
#define __GCC_ATOMIC_LLONG_LOCK_FREE 2
```

5.9.1.189 __GCC_ATOMIC_LONG_LOCK_FREE

```
#define __GCC_ATOMIC_LONG_LOCK_FREE 2
```

5.9.1.190 __GCC_ATOMIC_POINTER_LOCK_FREE

```
#define __GCC_ATOMIC_POINTER_LOCK_FREE 2
```

5.9.1.191 __GCC_ATOMIC_SHORT_LOCK_FREE

```
#define __GCC_ATOMIC_SHORT_LOCK_FREE 2
```

5.9.1.192 __GCC_ATOMIC_TEST_AND_SET_TRUEVAL

```
#define __GCC_ATOMIC_TEST_AND_SET_TRUEVAL 1
```

5.9.1.193 __GCC_ATOMIC_WCHAR_T_LOCK_FREE

```
#define __GCC_ATOMIC_WCHAR_T_LOCK_FREE 2
```

5.9.1.194 __GCC_HAVE_DWARF2_CFI_ASM

```
#define __GCC_HAVE_DWARF2_CFI_ASM 1
```

5.9.1.195 __GCC_HAVE_SYNC_COMPARE_AND_SWAP_1

```
#define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_1 1
```

5.9.1.196 __GCC_HAVE_SYNC_COMPARE_AND_SWAP_2

```
#define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_2 1
```

5.9.1.197 __GCC_HAVE_SYNC_COMPARE_AND_SWAP_4

```
#define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_4 1
```

5.9.1.198 __GCC_HAVE_SYNC_COMPARE_AND_SWAP_8

```
#define __GCC_HAVE_SYNC_COMPARE_AND_SWAP_8 1
```

5.9.1.199 __GCC_IEC_559

```
#define __GCC_IEC_559 2
```

5.9.1.200 __GCC_IEC_559_COMPLEX

```
#define __GCC_IEC_559_COMPLEX 2
```

5.9.1.201 __GLIBCXX_BITSIZE_INT_N_0

```
#define __GLIBCXX_BITSIZE_INT_N_0 128
```

5.9.1.202 __GLIBCXX_TYPE_INT_N_0

```
#define __GLIBCXX_TYPE_INT_N_0 __int128
```

5.9.1.203 __gnu_linux__

```
#define __gnu_linux__ 1
```

5.9.1.204 __GNUC__

```
#define __GNUC__ 7
```

5.9.1.205 __GNUC_MINOR__

```
#define __GNUC_MINOR__ 5
```

5.9.1.206 __GNUC_PATCHLEVEL__

```
#define __GNUC_PATCHLEVEL__ 0
```

5.9.1.207 __GNUC_STDC_INLINE__

```
#define __GNUC_STDC_INLINE__ 1
```

5.9.1.208 __GNUG__

```
#define __GNUG__ 7
```

5.9.1.209 __GXX_ABI_VERSION

```
#define __GXX_ABI_VERSION 1011
```

5.9.1.210 __GXX_EXPERIMENTAL_CXX0X__

```
#define __GXX_EXPERIMENTAL_CXX0X__ 1
```

5.9.1.211 __GXX_RTTI

```
#define __GXX_RTTI 1
```

5.9.1.212 __GXX_WEAK__

```
#define __GXX_WEAK__ 1
```

5.9.1.213 __has_include

```
#define __has_include(
              STR ) __has_include__(STR)
```

5.9.1.214 __has_include_next

```
#define __has_include_next(
              STR ) __has_include_next__(STR)
```

5.9.1.215 __INT16_C

```
#define __INT16_C(
              c ) c
```

5.9.1.216 __INT16_MAX__

```
#define __INT16_MAX__ 0x7fff
```

5.9.1.217 __INT16_TYPE__

```
#define __INT16_TYPE__ short int
```

5.9.1.218 __INT32_C

```
#define __INT32_C(
              c ) c
```

5.9.1.219 __INT32_MAX__

```
#define __INT32_MAX__ 0x7fffffff
```

5.9.1.220 __INT32_TYPE__

```
#define __INT32_TYPE__ int
```

5.9.1.221 __INT64_C

```
#define __INT64_C(
              c ) c ## L
```

5.9.1.222 __INT64_MAX__

```
#define __INT64_MAX__ 0x7fffffffffffffffL
```

5.9.1.223 __INT64_TYPE__

```
#define __INT64_TYPE__ long int
```

5.9.1.224 __INT8_C

```
#define __INT8_C(
              c ) c
```

5.9.1.225 __INT8_MAX__

```
#define __INT8_MAX__ 0x7f
```

5.9.1.226 __INT8_TYPE__

```
#define __INT8_TYPE__ signed char
```

5.9.1.227 __INT_FAST16_MAX__

```
#define __INT_FAST16_MAX__ 0x7fffffffffffffffL
```

5.9.1.228 __INT_FAST16_TYPE__

```
#define __INT_FAST16_TYPE__ long int
```

5.9.1.229 __INT_FAST16_WIDTH__

```
#define __INT_FAST16_WIDTH__ 64
```

5.9.1.230 __INT_FAST32_MAX__

```
#define __INT_FAST32_MAX__ 0x7fffffffffffffffL
```

5.9.1.231 __INT_FAST32_TYPE__

```
#define __INT_FAST32_TYPE__ long int
```

5.9.1.232 __INT_FAST32_WIDTH__

```
#define __INT_FAST32_WIDTH__ 64
```

5.9.1.233 __INT_FAST64_MAX__

```
#define __INT_FAST64_MAX__ 0x7fffffffffffffffL
```

5.9.1.234 __INT_FAST64_TYPE__

```
#define __INT_FAST64_TYPE__ long int
```

5.9.1.235 __INT_FAST64_WIDTH__

```
#define __INT_FAST64_WIDTH__ 64
```

5.9.1.236 __INT_FAST8_MAX__

```
#define __INT_FAST8_MAX__ 0x7f
```

5.9.1.237 __INT_FAST8_TYPE__

```
#define __INT_FAST8_TYPE__ signed char
```

5.9.1.238 __INT_FAST8_WIDTH__

```
#define __INT_FAST8_WIDTH__ 8
```

5.9.1.239 __INT_LEAST16_MAX__

```
#define __INT_LEAST16_MAX__ 0x7fff
```

5.9.1.240 __INT_LEAST16_TYPE__

```
#define __INT_LEAST16_TYPE__ short int
```

5.9.1.241 __INT_LEAST16_WIDTH__

```
#define __INT_LEAST16_WIDTH__ 16
```

5.9.1.242 __INT_LEAST32_MAX__

```
#define __INT_LEAST32_MAX__ 0x7fffffff
```

5.9.1.243 __INT_LEAST32_TYPE__

```
#define __INT_LEAST32_TYPE__ int
```

5.9.1.244 __INT_LEAST32_WIDTH__

```
#define __INT_LEAST32_WIDTH__ 32
```

5.9.1.245 __INT_LEAST64_MAX__

```
#define __INT_LEAST64_MAX__ 0x7fffffffffffffffL
```

5.9.1.246 __INT_LEAST64_TYPE__

```
#define __INT_LEAST64_TYPE__ long int
```

5.9.1.247 __INT_LEAST64_WIDTH__

```
#define __INT_LEAST64_WIDTH__ 64
```

5.9.1.248 __INT_LEAST8_MAX__

```
#define __INT_LEAST8_MAX__ 0x7f
```

5.9.1.249 __INT_LEAST8_TYPE__

```
#define __INT_LEAST8_TYPE__ signed char
```

5.9.1.250 __INT_LEAST8_WIDTH__

```
#define __INT_LEAST8_WIDTH__ 8
```

5.9.1.251 __INT_MAX__

```
#define __INT_MAX__ 0x7fffffff
```

5.9.1.252 __INT_WIDTH__

```
#define __INT_WIDTH__ 32
```

5.9.1.253 __INTMAX_C

```
#define __INTMAX_C(
              c ) c ## L
```

5.9.1.254 __INTMAX_MAX__

```
#define __INTMAX_MAX__ 0x7fffffffffffffffL
```

5.9.1.255 __INTMAX_TYPE__

```
#define __INTMAX_TYPE__ long int
```

5.9.1.256 __INTMAX_WIDTH__

```
#define __INTMAX_WIDTH__ 64
```

5.9.1.257 __INTPTR_MAX__

```
#define __INTPTR_MAX__ 0x7fffffffffffffffL
```

5.9.1.258 __INTPTR_TYPE__

```
#define __INTPTR_TYPE__ long int
```

5.9.1.259 __INTPTR_WIDTH__

```
#define __INTPTR_WIDTH__ 64
```

5.9.1.260 __k8

```
#define __k8 1
```

5.9.1.261 __k8__

```
#define __k8__ 1
```

5.9.1.262 __LDBL_DECIMAL_DIG__

```
#define __LDBL_DECIMAL_DIG__ 21
```

5.9.1.263 __LDBL_DENORM_MIN__

```
#define __LDBL_DENORM_MIN__ 3.64519953188247460252840593361941982e-4951L
```

5.9.1.264 __LDBL_DIG__

```
#define __LDBL_DIG__ 18
```

5.9.1.265 __LDBL_EPSILON__

```
#define __LDBL_EPSILON__ 1.08420217248550443400745280086994171e-19L
```

5.9.1.266 __LDBL_HAS_DENORM__

```
#define __LDBL_HAS_DENORM__ 1
```

5.9.1.267 __LDBL_HAS_INFINITY__

```
#define __LDBL_HAS_INFINITY__ 1
```

5.9.1.268 __LDBL_HAS_QUIET_NAN__

```
#define __LDBL_HAS_QUIET_NAN__ 1
```

5.9.1.269 __LDBL_MANT_DIG__

```
#define __LDBL_MANT_DIG__ 64
```

5.9.1.270 __LDBL_MAX_10_EXP__

```
#define __LDBL_MAX_10_EXP__ 4932
```

5.9.1.271 __LDBL_MAX__

```
#define __LDBL_MAX__ 1.189731495357231765021263853030970 21e+4932L
```

5.9.1.272 __LDBL_MAX_EXP__

```
#define __LDBL_MAX_EXP__ 16384
```

5.9.1.273 __LDBL_MIN_10_EXP__

```
#define __LDBL_MIN_10_EXP__ (-4931)
```

5.9.1.274 __LDBL_MIN__

```
#define __LDBL_MIN__ 3.362103143112093506262677817321752 60e-4932L
```

5.9.1.275 __LDBL_MIN_EXP__

```
#define __LDBL_MIN_EXP__ (-16381)
```

5.9.1.276 __linux

```
#define __linux 1
```

5.9.1.277 __linux__

```
#define __linux__ 1
```

5.9.1.278 __LONG_LONG_MAX__

```
#define __LONG_LONG_MAX__ 0x7fffffffffffffffLL
```

5.9.1.279 __LONG_LONG_WIDTH__

```
#define __LONG_LONG_WIDTH__ 64
```

5.9.1.280 __LONG_MAX__

```
#define __LONG_MAX__ 0x7fffffffffffffffL
```

5.9.1.281 __LONG_WIDTH__

```
#define __LONG_WIDTH__ 64
```

5.9.1.282 __LP64__

```
#define __LP64__ 1
```

5.9.1.283 __MMX__

```
#define __MMX__ 1
```

5.9.1.284 __OPTIMIZE__

```
#define __OPTIMIZE__ 1
```

5.9.1.285 __ORDER_BIG_ENDIAN__

```
#define __ORDER_BIG_ENDIAN__ 4321
```

5.9.1.286 __ORDER_LITTLE_ENDIAN__

```
#define __ORDER_LITTLE_ENDIAN__ 1234
```

5.9.1.287 __ORDER_PDP_ENDIAN__

```
#define __ORDER_PDP_ENDIAN__ 3412
```

5.9.1.288 __pic__

```
#define __pic__ 2
```

5.9.1.289 __PIC__

```
#define __PIC__ 2
```

5.9.1.290 __pie__

```
#define __pie__ 2
```

5.9.1.291 __PIE__

```
#define __PIE__ 2
```

5.9.1.292 __PRAGMA_REDEFINE_EXTNAME

```
#define __PRAGMA_REDEFINE_EXTNAME 1
```

5.9.1.293 __PTRDIFF_MAX__

```
#define __PTRDIFF_MAX__ 0x7fffffffffffffffL
```

5.9.1.294 __PTRDIFF_TYPE__

```
#define __PTRDIFF_TYPE__ long int
```

5.9.1.295 __PTRDIFF_WIDTH__

```
#define __PTRDIFF_WIDTH__ 64
```

5.9.1.296 __REGISTER_PREFIX__

```
#define __REGISTER_PREFIX__
```

5.9.1.297 __SCHAR_MAX__

```
#define __SCHAR_MAX__ 0x7f
```

5.9.1.298 __SCHAR_WIDTH__

```
#define __SCHAR_WIDTH__ 8
```

5.9.1.299 __SEG_FS

```
#define __SEG_FS 1
```

5.9.1.300 __SEG_GS

```
#define __SEG_GS 1
```

5.9.1.301 __SHRT_MAX__

```
#define __SHRT_MAX__ 0x7fff
```

5.9.1.302 __SHRT_WIDTH__

```
#define __SHRT_WIDTH__ 16
```

5.9.1.303 __SIG_ATOMIC_MAX__

```
#define __SIG_ATOMIC_MAX__ 0x7fffffff
```

5.9.1.304 __SIG_ATOMIC_MIN__

```
#define __SIG_ATOMIC_MIN__ (-__SIG_ATOMIC_MAX__ - 1)
```

5.9.1.305 __SIG_ATOMIC_TYPE__

```
#define __SIG_ATOMIC_TYPE__ int
```

5.9.1.306 __SIG_ATOMIC_WIDTH__

```
#define __SIG_ATOMIC_WIDTH__ 32
```

5.9.1.307 __SIZE_MAX__

```
#define __SIZE_MAX__ 0xffffffffffffffffUL
```

5.9.1.308 __SIZE_TYPE__

```
#define __SIZE_TYPE__ long unsigned int
```

5.9.1.309 __SIZE_WIDTH__

```
#define __SIZE_WIDTH__ 64
```

5.9.1.310 __SIZEOF_DOUBLE__

```
#define __SIZEOF_DOUBLE__ 8
```

5.9.1.311 __SIZEOF_FLOAT128__

```
#define __SIZEOF_FLOAT128__ 16
```

5.9.1.312 __SIZEOF_FLOAT80__

```
#define __SIZEOF_FLOAT80__ 16
```

5.9.1.313 __SIZEOF_FLOAT__

```
#define __SIZEOF_FLOAT__ 4
```

5.9.1.314 __SIZEOF_INT128__

```
#define __SIZEOF_INT128__ 16
```

5.9.1.315 __SIZEOF_INT__

```
#define __SIZEOF_INT__ 4
```

5.9.1.316 __SIZEOF_LONG__

```
#define __SIZEOF_LONG__ 8
```

5.9.1.317 __SIZEOF_LONG_DOUBLE__

```
#define __SIZEOF_LONG_DOUBLE__ 16
```

5.9.1.318 __SIZEOF_LONG_LONG__

```
#define __SIZEOF_LONG_LONG__ 8
```

5.9.1.319 __SIZEOF_POINTER__

```
#define __SIZEOF_POINTER__ 8
```

5.9.1.320 __SIZEOF_PTRDIFF_T__

```
#define __SIZEOF_PTRDIFF_T__ 8
```

5.9.1.321 __SIZEOF_SHORT__

```
#define __SIZEOF_SHORT__ 2
```

5.9.1.322 __SIZEOF_SIZE_T__

```
#define __SIZEOF_SIZE_T__ 8
```

5.9.1.323 __SIZEOF_WCHAR_T__

```
#define __SIZEOF_WCHAR_T__ 4
```

5.9.1.324 __SIZEOF_WINT_T__

```
#define __SIZEOF_WINT_T__ 4
```

5.9.1.325 __SSE2__

```
#define __SSE2__ 1
```

5.9.1.326 __SSE2_MATH__

```
#define __SSE2_MATH__ 1
```

5.9.1.327 __SSE__

```
#define __SSE__ 1
```

5.9.1.328 __SSE_MATH__

```
#define __SSE_MATH__ 1
```

5.9.1.329 __SSP_STRONG__

```
#define __SSP_STRONG__ 3
```

5.9.1.330 __STDC__

```
#define __STDC__ 1
```

5.9.1.331 __STDC_HOSTED__

```
#define __STDC_HOSTED__ 1
```

5.9.1.332 __STDC_IEC_559__

```
#define __STDC_IEC_559__ 1
```

5.9.1.333 __STDC_IEC_559_COMPLEX__

```
#define __STDC_IEC_559_COMPLEX__ 1
```

5.9.1.334 __STDC_ISO_10646__

```
#define __STDC_ISO_10646__ 201706L
```

5.9.1.335 __STDC_NO_THREADS__

```
#define __STDC_NO_THREADS__ 1
```

5.9.1.336 __STDC_UTF_16__

```
#define __STDC_UTF_16__ 1
```

5.9.1.337 __STDC_UTF_32__

```
#define __STDC_UTF_32__ 1
```

5.9.1.338 __UINT16_C

```
#define __UINT16_C(
              c ) c
```

5.9.1.339 __UINT16_MAX__

```
#define __UINT16_MAX__ 0xffff
```

5.9.1.340 __UINT16_TYPE__

```
#define __UINT16_TYPE__ short unsigned int
```

5.9.1.341 __UINT32_C

```
#define __UINT32_C(
              c ) c ## U
```

5.9.1.342 __UINT32_MAX__

```
#define __UINT32_MAX__ 0xffffffffU
```

5.9.1.343 __UINT32_TYPE__

```
#define __UINT32_TYPE__ unsigned int
```

5.9.1.344 __UINT64_C

```
#define __UINT64_C(
              c ) c ## UL
```

5.9.1.345 __UINT64_MAX__

```
#define __UINT64_MAX__ 0xffffffffffffffffUL
```

5.9.1.346 __UINT64_TYPE__

```
#define __UINT64_TYPE__ long unsigned int
```

5.9.1.347 __UINT8_C

```
#define __UINT8_C(
              c ) c
```

5.9.1.348 __UINT8_MAX__

```
#define __UINT8_MAX__ 0xff
```

5.9.1.349 __UINT8_TYPE__

```
#define __UINT8_TYPE__ unsigned char
```

5.9.1.350 __UINT_FAST16_MAX__

```
#define __UINT_FAST16_MAX__ 0xffffffffffffffffUL
```

5.9.1.351 __UINT_FAST16_TYPE__

```
#define __UINT_FAST16_TYPE__ long unsigned int
```

5.9.1.352 __UINT_FAST32_MAX__

```
#define __UINT_FAST32_MAX__ 0xffffffffffffffffUL
```

5.9.1.353 __UINT_FAST32_TYPE__

```
#define __UINT_FAST32_TYPE__ long unsigned int
```

5.9.1.354 __UINT_FAST64_MAX__

```
#define __UINT_FAST64_MAX__ 0xffffffffffffffffUL
```

5.9.1.355 __UINT_FAST64_TYPE__

```
#define __UINT_FAST64_TYPE__ long unsigned int
```

5.9.1.356 __UINT_FAST8_MAX__

```
#define __UINT_FAST8_MAX__ 0xff
```

5.9.1.357 __UINT_FAST8_TYPE__

```
#define __UINT_FAST8_TYPE__ unsigned char
```

5.9.1.358 __UINT_LEAST16_MAX__

```
#define __UINT_LEAST16_MAX__ 0xffff
```

5.9.1.359 __UINT_LEAST16_TYPE__

```
#define __UINT_LEAST16_TYPE__ short unsigned int
```

5.9.1.360 __UINT_LEAST32_MAX__

```
#define __UINT_LEAST32_MAX__ 0xffffffffU
```

5.9.1.361 __UINT_LEAST32_TYPE__

```
#define __UINT_LEAST32_TYPE__ unsigned int
```

5.9.1.362 __UINT_LEAST64_MAX__

```
#define __UINT_LEAST64_MAX__ 0xffffffffffffffffUL
```

5.9.1.363 __UINT_LEAST64_TYPE__

```
#define __UINT_LEAST64_TYPE__ long unsigned int
```

5.9.1.364 __UINT_LEAST8_MAX__

```
#define __UINT_LEAST8_MAX__ 0xff
```

5.9.1.365 __UINT_LEAST8_TYPE__

```
#define __UINT_LEAST8_TYPE__ unsigned char
```

5.9.1.366 __UINTMAX_C

```
#define __UINTMAX_C(
              c ) c ## UL
```

5.9.1.367 __UINTMAX_MAX__

```
#define __UINTMAX_MAX__ 0xffffffffffffffffUL
```

5.9.1.368 __UINTMAX_TYPE__

```
#define __UINTMAX_TYPE__ long unsigned int
```

5.9.1.369 __UINTPTR_MAX__

```
#define __UINTPTR_MAX__ 0xffffffffffffffffUL
```

5.9.1.370 __UINTPTR_TYPE__

```
#define __UINTPTR_TYPE__ long unsigned int
```

5.9.1.371 __unix

```
#define __unix 1
```

5.9.1.372 __unix__

```
#define __unix__ 1
```

5.9.1.373 __USER_LABEL_PREFIX__

```
#define __USER_LABEL_PREFIX__
```

5.9.1.374 __VERSION__

```
#define __VERSION__ "7.5.0"
```

5.9.1.375 __WCHAR_MAX__

```
#define __WCHAR_MAX__ 0x7fffffff
```

5.9.1.376 __WCHAR_MIN__

```
#define __WCHAR_MIN__ (-__WCHAR_MAX__ - 1)
```

5.9.1.377 __WCHAR_TYPE__

```
#define __WCHAR_TYPE__ int
```

5.9.1.378 __WCHAR_WIDTH__

```
#define __WCHAR_WIDTH__ 32
```

5.9.1.379 __WINT_MAX__

```
#define __WINT_MAX__ 0xffffffffU
```

5.9.1.380 __WINT_MIN__

```
#define __WINT_MIN__ 0U
```

5.9.1.381 __WINT_TYPE__

```
#define __WINT_TYPE__ unsigned int
```

5.9.1.382 __WINT_WIDTH__

```
#define __WINT_WIDTH__ 32
```

5.9.1.383 __x86_64

```
#define __x86_64 1
```

5.9.1.384 __x86_64__

```
#define __x86_64__ 1
```

5.9.1.385 _FORTIFY_SOURCE

```
#define _FORTIFY_SOURCE 2
```

5.9.1.386 _GNU_SOURCE

```
#define _GNU_SOURCE 1
```

5.9.1.387 _LP64

```
#define _LP64 1
```

5.9.1.388 _STDC_PREDEF_H

```
#define _STDC_PREDEF_H 1
```

5.9.1.389 linux

```
#define linux 1
```

5.9.1.390 unix

```
#define unix 1
```

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