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C Library

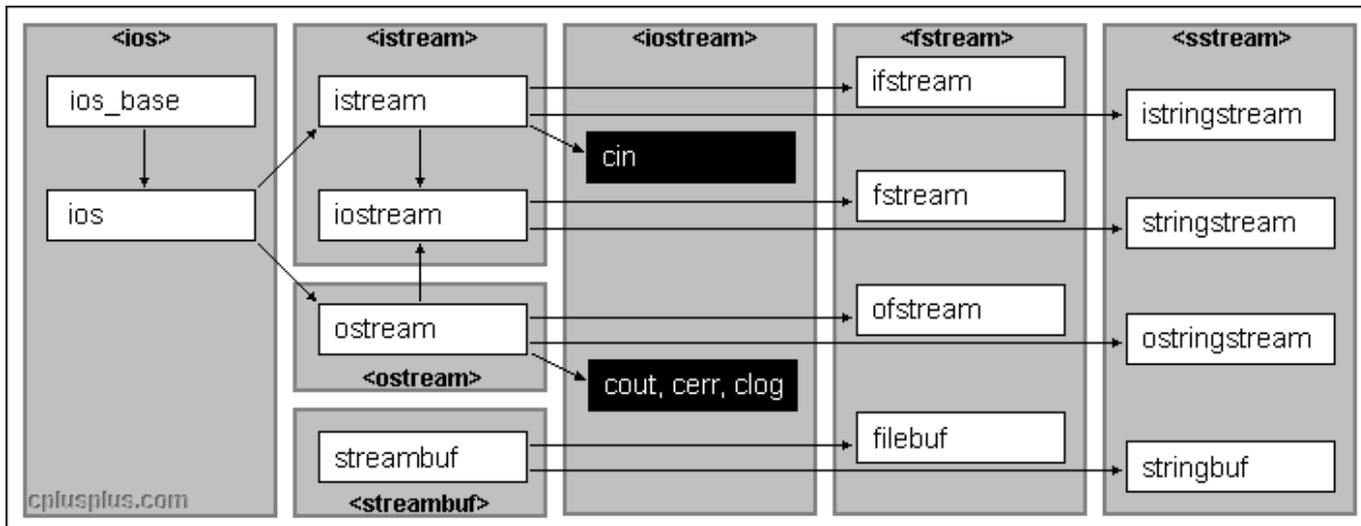
Стандартная библиотека C++ включает в себя спецификации стандарта ISO C90 из стандартной библиотеки C

Заголовок	Стандарт	Описание
<assert.h>	C++98	Behaves same as <cassert>
<ctype.h>	C++98	Behaves as if each name from <cctype> is placed in global namespace
<errno.h>	C++98	Behaves same as <cerrno>
<fenv.h>	C++11	Behaves as if each name from <cfenv> is placed in global namespace
<float.h>	C++98	Behaves same as <cfloat>
<inttypes.h>	C++11	Behaves as if each name from <cinttypes> is placed in global namespace
<limits.h>	C++98	Behaves same as <climits>
<locale.h>	C++98	Behaves as if each name from <locale> is placed in global namespace
<math.h>	C++98	Behaves as if each name from <cmath> is placed in global namespace, except for names of mathematical special functions
<setjmp.h>	C++98	Behaves as if each name from <csetjmp> is placed in global namespace
<signal.h>	C++98	Behaves as if each name from <csignal> is placed in global namespace
<stdarg.h>	C++98	Behaves as if each name from <cstdarg> is placed in global namespace
<stddef.h>	C++98	Behaves as if each name from <cstddef> is placed in global namespace, except for names of std::byte and related functions
<stdint.h>	C++11	Behaves as if each name from <cstdint> is placed in global namespace
<stdio.h>	C++98	Behaves as if each name from <cstdio> is placed in global namespace
<stdlib.h>	C++98	Behaves as if each name from <cstdlib> is placed in global namespace
<string.h>	C++98	Behaves as if each name from <cstring> is placed in global namespace
<time.h>	C++98	Behaves as if each name from <ctime> is placed in global namespace
<uchar.h>	C++11	Behaves as if each name from <cuchar> is placed in global namespace
<wchar.h>	C++98	Behaves as if each name from <cwchar> is placed in global namespace
<wctype.h>	C++98	Behaves as if each name from <cwctype> is placed in global namespace
Специальные заголовки совместимости с C		

Заголовок	Стандарт	Описание
<stdatomic.h>	C++23	Defines <code>_Atomic</code> and provides corresponding components in the C standard library
<stdbit.h>	C++26	Provides corresponding components in the C standard library
<stdckdint.h>	C++26	Provides corresponding components in the C standard library
Пустые заголовки		
<ccomplex>	C++11 устарел в C++17 удален в C++20	Simply includes the header <complex>
<complex.h>	C++11	Simply includes the header <complex>
<ctgmath>	C++11 устарел в C++17 удален в C++20	Simply includes the headers <complex> and <cmath>: the overloads equivalent to the contents of the C header <tgmath.h> are already provided by those headers
<tgmath.h>	C++11	Simply includes the headers <complex> and <cmath>
Бесполезные заголовки		
<ciso646>	C++98 удален в C++20	Empty header. The macros that appear in iso646.h in C are keywords in C++
<cstdalign>	C++11 устарел в C++17 удален в C++20	Defines one compatibility macro constant
<cstdbool>	C++11 устарел в C++17 удален в C++20	Defines one compatibility macro constant
<iso646.h>	C++98	Has no effect
<stdalign.h>	C++11	Defines one compatibility macro constant
<stdbool.h>	C++11	Defines one compatibility macro constant
Заголовок	Стандарт	Описание
<cstdlib>	C++98	General purpose utilities: program control, dynamic memory allocation, random numbers, sort and search

Заголовок	Стандарт	Описание
<execution>	C++17	<p>Predefined execution policies for parallel versions of the algorithms and execution control components (since C26) ^ Заголовок ^ Стандарт ^ Описание ^ <cfloat> C++98 Limits of floating-point types <climits> C++98 Limits of integral types <compare> C++20 Three-way comparison operator support <contracts> C++26 Contracts support library <coroutine> C++20 Coroutine support library <csetjmp> C++98 Macro (and function) that saves (and jumps) to an execution context <csignal> C++98 Functions and macro constants for signal management <cstdlib> C++98 Handling of variable length argument lists <cstdlibdef> C++98 Standard macros and typedefs <cstdint> C++11 Fixed-width integer types and limits of other types <exception> C++98 Exception handling utilities <initializer_list> C++11 std::initializer_list class template <limits> C++98 Query properties of arithmetic types <new> C++98 Low-level memory management utilities <source_location> C++20 Supplies means to obtain source code location <stdfloat> C++23 Fixed-width floating-point types <typeindex> C++11 std::type_index <typeinfo> C++98 Runtime type information utilities <version> C++20 Supplies macros for verifying implementation status of library ^ Заголовок ^ Стандарт ^ Описание ^ <concepts> C++20 Fundamental library concepts ^ Заголовок ^ Стандарт ^ Описание ^ <cassert> C++98 Conditionally compiled macro that compares its argument to zero <cerrno> C++98 Macro containing the last error number <debugging> C++26 Debugging library <stacktrace> C++23 Stacktrace library <stdexcept> C++98 Standard exception types <system_error> C++11 Defines std::error_code, a platform-dependent error code ^ Заголовок ^ Стандарт ^ Описание ^ <memory> C++98 High-level memory management utilities <memory_resource> C++17 Polymorphic allocators and memory resources <scoped_allocator> C++11 Nested allocator class ^ Заголовок ^ Стандарт ^ Описание ^ <ratio> C++11 Compile-time rational arithmetic <type_traits> C++11 Compile-time type information utilities ^ Заголовок ^ Стандарт ^ Описание ^ <any> C++17 std::any class <bit> C++20 Bit manipulation functions <bitset> C++98 std::bitset class template <expected> C++23 std::expected class template <functional> C++98 Function objects, Function invocations, Bind operations and Reference wrappers <optional> C++17 std::optional class template <tuple> C++11 std::tuple class template <utility> C++98 Various utility components <variant> C++17 std::variant class template ^ Заголовок ^ Стандарт ^ Описание ^ <array> C++11 std::array container <deque> C++98 std::deque container <flat_map> C++23 std::flat_map and std::flat_multimap container adaptors <flat_set> C++23 std::flat_set and std::flat_multiset container adaptors <forward_list> C++11 std::forward_list container <hive> C++26 std::hive container <inplace_vector> C++26 std::inplace_vector container <list> C++98 std::list container <map> C++98 std::map and std::multimap associative containers <mdspan> C++23 std::mdspan view <queue> C++98 std::queue and std::priority_queue container adaptors <set> C++98 std::set and std::multiset associative containers C++20 std::span view <stack> C++98 std::stack container adaptor <unordered_map> C++11 std::unordered_map and std::unordered_multimap unordered associative containers <unordered_set> C++11 std::unordered_set and std::unordered_multiset unordered associative containers <vector> C++98 std::vector container ^ Заголовок ^ Стандарт ^ Описание ^ <iterator> C++98 Range iterators ^ Заголовок ^ Стандарт ^ Описание ^ <generator> C++23 std::generator class template <ranges> C++20 Range access, primitives, requirements, utilities and adaptors ^ Заголовок ^ Стандарт ^ Описание ^ <algorithm> C++98 Algorithms that operate on ranges <numeric> C++98 Numeric operations on values in ranges ^ Заголовок ^ Стандарт ^ Описание ^ <cstring> C++98 Various narrow character string handling functions <string> C++98 std::basic_string class template <string_view> C++17 std::basic_string_view class template ^ Заголовок ^ Стандарт ^ Описание ^ <cctype> C++98 Functions to determine the category of narrow characters <charconv> C++17 std::to_chars and std::from_chars <locale> C++98 C localization utilities <codecvt> C++11 (deprecated in C17)(removed in C26) Unicode conversion facilities <cuchar> C++11 C-style Unicode character conversion functions <cwchar> C++98 Various wide and multibyte string handling functions <cwctype> C++98 Functions to determine the category of wide characters <format> C++20 Formatting library including std::format <locale> C++98 Localization utilities <regex> C++11 Classes, algorithms and iterators to support regular expression processing <text_encoding> C++26 Text encoding identifications ^ Заголовок ^ Стандарт ^ Описание ^ <cfenv> C++11 Floating-point environment access functions <cmath> C++98 Common mathematics functions <complex> C++98 Complex number type <linalg> C++26 Basic linear algebra algorithms (BLAS) <numbers> C++20 Math constants <random> C++11 Random number generators and distributions <simd> C++26 Data-parallel types and operations on these types <valarray> C++98 Class for representing and manipulating arrays of values ^ Заголовок ^ Стандарт ^ Описание ^ <chrono> C++11 C time utilities</p>
<ctime>	C++98	C-style time/date utilities

СВЯЗЬ КЛАССОВ



Заголовок	Стандарт	Описание
<inttypes>	C++11	Formatting macros, intmax_t and uintmax_t math and conversions
<cstdio>	C++98	C-style input-output functions
<filesystem>	C++17	std::filesystem::path class and supporting functions
<fstream>	C++98	std::basic_fstream, std::basic_ifstream, std::basic_ofstream class templates and typedefs
<iomanip>	C++98	Helper functions to control the format of input and output
<ios>	C++98	std::ios_base class, std::basic_ios class template and typedefs
<iosfwd>	C++98	Forward declarations of all classes in the input/output library
<iostream>	C++98	Several standard stream objects
<istream>	C++98	std::basic_istream class template and typedefs
<ostream>	C++98	std::basic_ostream, std::basic_iostream class templates and typedefs
<print>	C++23	Formatted output library including std::print
<spanstream>	C++23	std::basic_spanstream, std::basic_ispanstream, std::basic_ostream class templates and typedefs
<sstream>	C++98	std::basic_stringstream, std::basic_istringstream, std::basic_ostream class templates and typedefs
<streambuf>	C++98	std::basic_streambuf class template
<strstream>		

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