

LEWG July 2026

LEWG-tagged papers.

58 papers · Generated 2026-08-05 07:11 UTC

PAPER	TITLE	AUTHORS
P0260R20	C++ Concurrent Queues	Detlef Vollmann, Lawrence Crowl, Chris Mysen, Gor Nishanov
P0870R8	A proposal for a type trait to detect narrowing conversions	Giuseppe D'Angelo
P1040R11	std::embed and #depend	JeanHeyd Meneide
P2721R1	Deprecating function in C++29	Michael Florian Hava
P2728R13	Unicode in the Library, Part 1: UTF Transcoding	Eddie Nolan
P2728R14	Unicode in the Library, Part 1: UTF Transcoding	Eddie Nolan
P2906R2	Structured bindings for std::extents	Bernhard Manfred Gruber, Yihan Wang, Mark Hoemmen
P2964R5	Allowing user-defined types in std::simd	Daniel Towner, Ruslan Arutyunyan
P3045R9	Quantities and units library	Mateusz Pusz, Dominik Berner, Johel Ernesto Guerrero Peña, Charles Hogg, Nicolas Holthaus, Roth Michaels, Vincent Reverdy
P3099R3	Contracts for C++: User-defined diagnostic messages	Timur Doumler, Peter Bindels, Joshua Berne
P3100R7	A framework for systematically addressing undefined behaviour in the C++ Standard	Timur Doumler, Joshua Berne
P3125R6	constexpr pointer tagging	Hana Dusíková
P3155R1	noexcept policy for SD-9 (The Lakos Rule)	Timur Doumler, John Lakos
P3211R2	views::flat_map	Hewill Kang
P3216R3	views::slice	Hewill Kang
P3220R3	views::take_before	Hewill Kang
P3230R3	views::unchecked_(take drop)	Hewill Kang

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P3290R5	Integrating Existing Assertions With Contracts	Joshua Berne, Timur Doumler, John Lakos
P3290R6	Integrating Existing Assertions With Contracts	Joshua Berne, Timur Doumler, John Lakos
P3385R8	Attributes reflection	Aurelien Cassagnes
P3642R6	Carry-less product: std::clmul	Jan Schultke
P3655R5	cstring_view	Peter Bindels, Hana Dusikova, Jeremy Rifkin, Marco Foco, Alexey Shevlyakov
P3669R4	Non-Blocking Support for `std::execution`	Detlef Vollmann
P3771R1	constexpr mutex, locks, and condition variable	Hana Dusíková
P3790R2	Pointer lifetime-end zap proposed solutions: Bag-of-bits pointer class	Paul E. McKenney, Maged Michael, Jens Maurer, Peter Sewell, Hans Boehm, Hubert Tong, Niall Douglas, Thomas Rodgers, Will Deacon, Michael Wong, David Goldblatt, Kostya Serebryany, Anthony Williams, Tom Scogland, JF Bastien, Daniel Krügler, David Tenty
P3806R1	views::cycle	Hewill Kang
P3832R2	Timed lock algorithms for multiple lockables	Ted Lyngmo
P3832R3	Timed lock algorithms for multiple lockables	Ted Lyngmo
P3833R3	std::unique_multilock	Ted Lyngmo
P3850R1	A proposed plan for extending Contracts in C++29	Timur Doumler, Joshua Berne
P3928R1	static_sized_range	Hewill Kang
P3935R2	Rebasing <cmath> on C23	Jan Schultke
P3969R2	Fixing std::bit_cast of types with padding bits	Jan Schultke
P4030R1	Endian Views	Eddie Nolan
P4157R1	LEWG Slides for P3666R4	Jan Schultke
P4188R1	Extensible Math Functions for C++	Stephane Gros-Lemesre
P4217R1	when_all() is just just()	Robert Leahy
P4220R1	Design goals for zstring_view	Andrzej Krzemiński

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P4221R3	Atomic Compare	Maged Michael, Paul McKenney, Michael Wong
P4226R0	2026-05 Library Evolution Poll Outcomes	Inbal Levi, Fabio Fracassi, Andreas Weis, Corentin Jabot
P4243R0	`zip()` Should Be Ill-formed	Hui Xie, Tristan Melen
P4254R0	Throwing Violation Handlers Are Post Hoc Library Design	Robert Leahy
P4257R0	Marking wide contract non-throwing functions noexcept is not controversial	Nevin Liber
P4259R0	The name of the floor division function should probably have floor in it	Barry Revzin
P4269R0	when_all Oughtn't Hallucinate set_stopped	Robert Leahy
P4276R0	A Policy for Scalar Overloads in std::simd	Daniel Towner
P4279R0	No Endian Views	Jan Schultke
P4282R0	Away From co_yield For std::execution::task	Robert Leahy
P4288R0	Stop the Decay	Robert Leahy
P4291R0	views::unique	Hewill Kang
P4293R0	std::execution::decay_copy	Robert Leahy
P4294R0	views::take_last and views::drop_last	Hewill Kang
P4295R0	Single Ends for C++ Concurrent Queues	Detlef Vollmann
P4305R0	Design problems with P2964R5 (User-defined element types in std::simd)	Jan Schultke
P4309R0	Constructing owning node-handles without containers	Michael Florian Hava
P4311R0	Getting a const element type version of an mdspan accessor, and of an mdspan too	Mark Hoemmen, Rob Parolin
P4313R0	Bitmask operations for enums	Iliya Guterman, Anthony Williams
P4320R0	std::execution::sequence	Robert Leahy