constexpr comparison operators for std::array

Tristan Brindle (tcbrindle@gmail.com)

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1 Introduction

The interface for std::array was made mostly constexpr in C++17. However, this did not include the comparison operators, presumably because they are specified in terms of std::equal() and std::lexicographical_compare(), which only recently became constexpr in the draft International Standard.

This paper corrects this surprising omission by adding the **constexpr** keyword to the declarations of the **array** comparison operators.

2 Proposed wording

References

[N4741] Richard Smith. Working Draft, Standard for Programming Language C++. http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2018/n4741.pdf, 2018 (accessed 2018-04-20).