Alternately, the author of these functions could specialize In matrix_view template using implement fast linear algebra algorithms by calling directly into an optimized C or Fortran BLAS. Preservation of these layouts under is_convertible_v<S1, tuple<index_type_Z, index_type_Z>> Similarly, let let auto tuple make_index_sequence full_extents ()

Let static_assert means that a layout mapping also cannot have "its own extents" that differ from what We considered changing the layout mapping requirements to permit layout mappings to return either out_stride layout_left_padded::mapping

out_stride layout_right_padded::mapping<OtherExtents>

for C2)

For example, if for N = 3, where LDA is a BLAS abbreviation meaning "leading dimension [of the matrix A]. This example switches to rank-2 but single row or column) case should act like a __c2__

They guarantee at compile time that one extent always has stride-1 access. While __overaligned_matrix_t__ object, but otherwise behave like the

update non-wording text and implementation experience.

Add

4.9.4

4.9.3

Revision 3

Proposed changes and justification

Two new mdspan layouts

Overview [mdspan.layout.rightpadded.overview]

Nest the new policies in corresponding existing ones

Update non-wording text and implementation experience.
1.5.5 StridedLayoutMapping

StridedLayoutMapping is the layout mapping policy, which represents the strides of an mdspan.

1.5.5.1 Implementation

The implementation of StridedLayoutMapping consists of the strides of an mdspan.

1.5.5.2 Precondition

The precondition for StridedLayoutMapping is that the strides are non-zero.

1.5.5.3 Returns

The returns of StridedLayoutMapping are the strides of an mdspan.

1.5.5.4 constexpr

StridedLayoutMapping is constexpr.

1.5.5.5 [Note:

The value is equal to the strides of an mdspan.

1.5.5.6 Implementation experience

Implementation experience for StridedLayoutMapping is similar to that of other layout mappings.

1.5.5.7 StridedLayoutMapping specialization

StridedLayoutMapping specialization is similar to that of other layout mappings.

1.5.5.8 Layout mapping conversion customization point

A customization point for layout mapping conversion is available.

1.5.5.9 StridedLayoutMapping template

The StridedLayoutMapping template is similar to that of other layout mappings.

1.5.5.10 StridedLayoutMapping struct

The StridedLayoutMapping struct is similar to that of other layout mappings.

1.5.5.11 StridedLayoutMapping class

The StridedLayoutMapping class is similar to that of other layout mappings.

1.5.5.12 StridedLayoutMapping array

The StridedLayoutMapping array is similar to that of other layout mappings.

1.5.5.13 StridedLayoutMapping padding value

The StridedLayoutMapping padding value is similar to that of other layout mappings.

1.5.5.14 StridedLayoutMapping rank

The StridedLayoutMapping rank is similar to that of other layout mappings.

1.5.5.15 StridedLayoutMapping extent

The StridedLayoutMapping extent is similar to that of other layout mappings.

1.5.5.16 StridedLayoutMapping stride

The StridedLayoutMapping stride is similar to that of other layout mappings.

1.5.5.17 StridedLayoutMapping default

The StridedLayoutMapping default is similar to that of other layout mappings.

1.5.5.18 StridedLayoutMapping other

The StridedLayoutMapping other is similar to that of other layout mappings.

1.5.5.19 StridedLayoutMapping other required span size

The StridedLayoutMapping other required span size is similar to that of other layout mappings.

1.5.5.20 StridedLayoutMapping layout

The StridedLayoutMapping layout is similar to that of other layout mappings.

1.5.5.21 StridedLayoutMapping layout right padded

The StridedLayoutMapping layout right padded is similar to that of other layout mappings.

1.5.5.22 StridedLayoutMapping layout left padded

The StridedLayoutMapping layout left padded is similar to that of other layout mappings.

1.5.5.23 StridedLayoutMapping layout expo

The StridedLayoutMapping layout expo is similar to that of other layout mappings.

1.5.5.24 StridedLayoutMapping layout general

The StridedLayoutMapping layout general is similar to that of other layout mappings.

1.5.5.25 StridedLayoutMapping layout reqmts

The StridedLayoutMapping layout reqmts is similar to that of other layout mappings.

1.5.5.26 StridedLayoutMapping syn

The StridedLayoutMapping syn is similar to that of other layout mappings.

1.5.5.27 StridedLayoutMapping submdspan

The StridedLayoutMapping submdspan is similar to that of other layout mappings.

1.5.5.28 StridedLayoutMapping mapping

The StridedLayoutMapping mapping is similar to that of other layout mappings.

1.5.5.29 StridedLayoutMapping mapping specialization

The StridedLayoutMapping mapping specialization is similar to that of other layout mappings.
24.7.3.7.6.6 Constraint:

Returns:

static

template

Preconditions:

Effects: