tensor.ravel_index

```

Copy fnravel_index(self:@Tensor, indices:Span)->usize;

```

Converts a multi-dimensional index to a one-dimensional index.

Args

- self
- (@Tensor
-) - The input tensor.
- indices
- (Span
-) - The indices of the Tensor to ravel.
-

Panics

- Panics if the indices are out of bounds of the Tensor shape.
-

Returns

The index corresponding to the given indices.

Examples

```

Copy usecore::array::{ArrayTrait,SpanTrait};

useorion::operators::tensor::{TensorTrait,Tensor,U32Tensor};

fnravel_index_example()->usize{ lettensor=TensorTrait:::new( shape:array![2,2,2].span(), data:array![0,1,2,3,4,5,6,7].span(), );

// We can call ravel_index function as follows. returntensor.ravel_index(indices:array![1,3,0].span()); }

        10 // This means that the value of indices [1,3,0] // of a multidimensional array can be found at index 10 of Tensor.data.

```

Previous tensor.stride Next tensor.unravel_index

Last updated3 months ago