

tensor.argmaxin

...

```
Copy fnargmin(self:@Tensor, axis:usize, keepdims:Option, select_last_index:Option)->Tensor;
```

...

Returns the index of the minimum value along the specified axis.

Args

- self
- (@Tensor
-) - The input tensor.
- axis
- (usize
-) - The axis along which to compute the argmin.
- keepdims
- (Option
-) - If true, retains reduced dimensions with length 1. Defaults to true.
- select_last_index
- (Option
-) - If true, the index of the last occurrence of the minimum value is returned. Defaults to false.
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Panics

- Panics if axis is not in the range of the input tensor's dimensions.
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Returns

A newTensor instance containing the indices of the minimum values along the specified axis.

Examples

Case 1: argmin with default parameters

...

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

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

```
fnargmin_example()->Tensor { lettensor=TensorTrait::new( shape:array![2,2,2].span(), data:array![0,1,2,3,4,4,5,5].span(), );
```

```
// We can call argmin function as follows. returntensor.argmaxin(axis:2, keepdims:Option::None()),  
select_last_index:Option::None()); }
```

```
[[[0,0],[0,0]]]
```

...

Case 2: argmin with keepdims set to false

...

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

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

```
fnargmin_example()->Tensor { lettensor=TensorTrait::new( shape:array![2,2,2].span(), data:array![0,1,2,3,4,4,5,5].span(), );
```

```
// We can call argmin function as follows. returntensor .argmin(axis:2, keepdims:Option::Some(false),  
select_last_index:Option::None()); }
```

```
[[0,0],[0,0]]
```

...

Case 3: argmin with select_last_index set to true

...

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

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

```
fnargmin_example()->Tensor { lettensor=TensorTrait::new( shape:array![2,2,2].span(), data:array![0,1,2,3,4,5].span(), );
```

```
// We can call argmin function as follows. returntensor .argmin(axis:2, keepdims:Option::None()),  
select_last_index:Option::Some(true)); }
```

```
[[[0,0],[1,1]]]
```

...

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Last updated3 months ago