tensor.acos

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```

Copy fnacos(self:@Tensor)->Tensor;

```

Computes the arccosine (inverse of cosine) of all elements of the input tensor.

Args

- self
- (@Tensor
-) - The input tensor.
-

Returns

A newTensor of the same shape as the input tensor with the arccosine value of all elements in the input tensor.

Type Constraints

Constrain input and output types to fixed point tensors.

Example

```

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

useorion::operators::tensor::{TensorTrait,Tensor,FP8x23Tensor}; useorion::numbers::{FP8x23,FixedTrait};

fnacos_example()->Tensor { lettensor=TensorTrait:::new( shape:array![2].span(), data:array!
[FixedTrait::new_unscaled(0,false), FixedTrait::new_unscaled(1,false),] .span(), );

returntensor.acos(); }

                    [13176794,0] // The fixed point representation of // [1.5707..., 0]

```

Previous tensor.atan Next tensor.sqrt

Last updated3 months ago