tensor.tanh

```
Copy fntanh(self:@Tensor)->Tensor;
Computes the hyperbolic tangent of all elements of the input tensor.
! y i = t a n h (x i) y_i = tanh(\{x_i\})
Args
   self
   • (@Tensor
     ) - The input tensor.
Returns
Returns a new tensor inT with the hyperbolic tangent of the elements of the input tensor.
Type Constraints
Constrain input and output types to fixed point tensors.
Examples
Copy usecore::array::{ArrayTrait,SpanTrait};
useorion::operators::tensor::{TensorTrait,Tensor,FP8x23Tensor}; useorion::numbers::{FixedTrait,FP8x23};
fntanh_example()->Tensor { lettensor=TensorTrait::::new( shape:array![2,2].span(), data:array![
FixedTrait::new_unscaled(0,false), FixedTrait::new_unscaled(1,false), FixedTrait::new_unscaled(2,false),
FixedTrait::new_unscaled(3,false) ] .span(), );
returntensor.tanh(); }
                 [[0,6388715],[8086850,8347125]] // The fixed point representation of // [[0,0.761594],
                 [0.96403, 0.9951]]
```

Previous tensor.acosh Next tensor.atan

Last updated3 months ago