tensor.reduce_sum_square

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```

Copy fnreduce_sum_square(self:@Tensor, axis:usize, keepdims:bool)->Tensor;

```

Computes the sum square of the input tensor's elements along the provided axes.

Args

- self
- (@Tensor
-) - The input tensor.
- axis
- (usize
-) - The dimension to reduce.
- keepdims
- (bool
-) - If true, retains reduced dimensions with length 1.
-

Panics

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

Returns

A newTensor instance with the specified axis reduced by summing its elements.

Examples

```

Copy usecore::array::{ArrayTrait,SpanTrait}; useorion::operators::tensor::{TensorTrait,Tensor,U32Tensor};

fnreduce_sum_square_example()->Tensor {

letmutshape=ArrayTrait::::new(); shape.append(2); shape.append(2); letmutdata=ArrayTrait::new(); data.append(1); data.append(2); data.append(3); data.append(4); lettensor=TensorTrait::::new(shape.span(), data.span());

Wecan call reduce_sum_square functionasfollows. returntensor.reduce_sum_square(axis:1, keepdims:true); }

                    [[5,25]]

```

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Last updated1 month ago