# tensor.hamming_window

```

Copy fnhamming_window(size:T, periodic:Option)->Tensor;

```

Generates a Hamming window as described in the paper https://ieeexplore.ieee.org/document/1455106.

- size
- (T
- ) - A scalar value indicating the length of the window.
- periodic
- (Option) - If 1, returns a window to be used as periodic function. If 0, return a symmetric window. When 'periodic' is specified, hann computes a window of length size + 1 and returns the first size points. The default value is 1.
-

Returns

A Hamming window with length: size. The output has the shape: [size].

Examples

```

Copy usecore::array::{ArrayTrait,SpanTrait}; useorion::operators::tensor::FP8x23TensorPartialEq;
useorion::operators::tensor::{FP8x23Tensor,FP8x23TensorAdd}; useorion::operators::tensor::{TensorTrait,Tensor};
useorion::utils::{assert_eq, assert_seq_eq}; useorion::numbers::{FixedTrait,FP8x23};

fnhamming_window_example()->Tensor { returnTensorTrait::hamming_window(FP8x23{ mag:33554432, sign:false},
Option::Some(0));// size: 4 }

                    [729444647381764738177294444]

```

Previous tensor.hann_window Next tensor.blackman_window