

[Accelerate](#) / BNNSFilterParameters

Structure

BNNSFilterParameters

A structure that contains common filter parameters.

iOS | iPadOS | Mac Catalyst | macOS | tvOS | visionOS | watchOS

```
struct BNNSFilterParameters
```

Topics

Initializers

```
init(options: BNNSFlags, threadCount: Int, allocator: BNNSAlloc?, deallocator: BNNSFree?)
```

Returns a new common filter parameters structure using the specified options.

```
init(flags: UInt32, n_threads: Int, alloc_memory: BNNSAlloc?, free_memory: BNNSFree?)
```

Returns a new common filter parameters structure.

```
init()
```

Instance Properties

```
var flags: UInt32
```

A logical OR of zero or more values from BNNS flags.

```
var n_threads: Int
```

The number of worker threads to execute.

```
var alloc_memory: BNNSAlloc?
```

The function called to allocate memory.

```
var free_memory: BNNSFree?
```

The function called to deallocate memory.

```
var allocator: BNNSAlloc?
```

```
var deallocator: BNNSFree?
```

```
var options: BNNSFlags
```

```
var threadCount: Int
```

Filter Flags

```
struct BNNSFlags
```

Options that control the behavior of a filter parameter.

Relationships

Conforms To

BitwiseCopyable, Sendable

See Also

General filters

~~typedef BNNSFilter~~

An opaque type that represents a filter.

Deprecated

☰ Applying Filters

~~class Layer~~

The base class for layer objects that wrap filters and manage deinitialization.

Deprecated

~~class UnaryLayer~~

The base class for layers that accept a single input.

Deprecated

~~class BinaryLayer~~

The base class for layers that accept two inputs.

Deprecated

~~func BNNSFilterDestroy(BNNSFilter?)~~

Destroys the specified filter, releasing all resources allocated for it.

Deprecated

typedef BNNSAlloc

A type-alias for a user-provided memory allocation function.

typedef BNNSFree

A type-alias for a user-provided memory deallocation function.