

[Accelerate](#) / BNNSGraphArgumentIntent

Structure

BNNSGraphArgumentIntent

Constants that describe argument intents.

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

```
struct BNNSGraphArgumentIntent
```

Topics

Argument intents

```
init(UInt32)
```

Creates a new instance.

```
init(rawValue: UInt32)
```

Creates a new instance with the specified raw value.

```
var rawValue: UInt32
```

The corresponding value of the raw type.

```
var BNNSGraphArgumentIntentIn: BNNSGraphArgumentIntent
```

A constant that specifies the argument provides an input tensor.

```
var BNNSGraphArgumentIntentOut: BNNSGraphArgumentIntent
```

A constant that specifies the argument provides an output tensor.

```
var BNNSGraphArgumentIntentInOut: BNNSGraphArgumentIntent
```

A constant that specifies the argument is an in-place input and output tensor.

Relationships

Conforms To

BitwiseCopyable
Equatable
Hashable
RawRepresentable
Sendable

See Also

Querying a graph's properties

```
func BNNSGraphGetArgumentIntents(bnns_graph_t, UnsafePointer<CChar>?,  
Int, UnsafeMutablePointer<BNNSGraphArgumentIntent>) -> Int32
```

Extracts the intents of arguments for the given function argument.

```
func BNNSGraphGetArgumentCount(bnns_graph_t, UnsafePointer<CChar>?) ->  
Int
```

Returns the number of arguments for the given function argument.

```
func BNNSGraphGetArgumentNames(bnns_graph_t, UnsafePointer<CChar>?, Int  
, UnsafeMutablePointer<UnsafePointer<CChar>?>) -> Int32
```

Extracts the names of arguments for the given function argument.

```
func BNNSGraphGetFunctionCount(bnns_graph_t) -> Int
```

Returns the number of callable functions in the specified graph.

```
func BNNSGraphGetFunctionNames(bnns_graph_t, Int, UnsafeMutablePointer<  
UnsafePointer<CChar>?>) -> Int32
```

Extracts the names of callable functions in the graph.

```
func BNNSGraphGetInputCount(bnns_graph_t, UnsafePointer<CChar>?) -> Int
```

Returns the number of input arguments for the given function argument.

```
func BNNSGraphGetInputNames(bnns_graph_t, UnsafePointer<CChar>?, Int,  
UnsafeMutablePointer<UnsafePointer<CChar>?>) -> Int32
```

Extracts the names of input arguments for the given function argument.

```
func BNNSGraphGetOutputCount(bnns_graph_t, UnsafePointer<CChar>?) ->  
Int
```

Returns the number of output arguments for the given function argument.

```
func BNNSGraphGetOutputNames(bnns_graph_t, UnsafePointer<CChar>?, Int,  
UnsafeMutablePointer<UnsafePointer<CChar>?>) -> Int32
```

Extracts the names of output arguments for the given function argument.

```
func BNNSGraphGetArgumentPosition(bnns_graph_t, UnsafePointer<CChar>?,  
UnsafePointer<CChar>) -> Int
```

Returns the index into the arguments array for the given function argument.

```
func BNNSGraphGetArgumentInterleaveFactors(bnns_graph_t, UnsafePointer<  
CChar>?, Int, UnsafeMutablePointer<UnsafePointer<UInt16>?>, Unsafe  
MutablePointer<Int>) -> Int32
```

Returns the interleave factors for arguments, if present