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Function

BNNSGraphGetArgumentIntents(_:_:_:_:)

Extracts the intents of arguments for the given function argument.

iOS 18.0+ | iPadOS 18.0+ | Mac Catalyst 18.0+ | macOS 15.0+ | tvOS 18.0+ | visionOS 2.0+ | watchOS 11.0+

```
func BNNSGraphGetArgumentIntents(
    _ graph: bnns_graph_t,
    _ function: UnsafePointer<CChar>?,
    _ argument_intents_count: Int,
    _ argument_intents: UnsafeMutablePointer<BNNSGraphArgumentIntent>
) -> Int32
```

Parameters

graph

The compiled graph object.

function

The function. Specify as `nil` if the graph only contains one function.

argument_intents_count

The number of elements in the `argument_intents` array.

argument_intents

On output, an array of pointers to `BNNSGraphArgumentIntent` structures that contain the argument intents.

Return Value

0 on success, nonzero on failure.

See Also

Querying a graph's properties

```
struct BNNSGraphArgumentIntent
```

Constants that describe argument intents.

```
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>?>, UnsafeMutablePointer<Int>) -> Int32
```

Returns the interleave factors for arguments, if present