

[Accelerate](#) / BNNSGraphGetArgumentNames(\_:\_:\_:\_:)

## Function

# BNNSGraphGetArgumentNames(\_:\_:\_:\_:)

Extracts the names 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 BNNSGraphGetArgumentNames(  
    _ graph: bnns_graph_t,  
    _ function: UnsafePointer<CChar>?,  
    _ argument_names_count: Int,  
    _ argument_names: UnsafeMutablePointer<UnsafePointer<CChar>?>  
) -> Int32
```

## Parameters

### graph

The compiled graph object.

### function

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

### argument\_names\_count

The number of elements in the `argument_names` array.

### argument\_names

On output, an array of pointers to strings that contain the argument names.

## Return Value

0 on success, nonzero on failure.

# Discussion

This function is the equivalent of the concatenation of [BNNSGraphGetOutputNames\(\\_ : : : \\_ :\)](#) and [BNNSGraphGetInputNames\(\\_ : : : :\)](#).

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## 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.

```
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 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