

[Accelerate](#) / `BNNSGraphGetArgumentCount(_:_:)`

Function

BNNSGraphGetArgumentCount(_:_:)

Returns the number 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 BNNSGraphGetArgumentCount(  
    _ graph: bnns_graph_t,  
    _ function: UnsafePointer<CChar>?  
) -> Int
```

Parameters

graph

The compiled graph object.

function

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

Return Value

The number of arguments, or `SIZE_T_MAX` if the query fails.

Discussion

The value that this function returns is the sum of the values [BNNSGraphGetInputCount\(_:_:\)](#) and [BNNSGraphGetOutputCount\(_:_:\)](#) return.

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 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