Structure

bnns_graph_compile_options_t

The compilation options that BNNS uses when compiling a source mlmodelc file to a graph object.

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

```
struct bnns_graph_compile_options_t
```

Overview

Call BNNSGraphCompileOptionsMakeDefault() to create a default options structure and then call functions such as BNNSGraphCompileOptionsSetOptimizationPreference(_: _:) to set indivual options.

Topics

Initializing an options structure

init()

Creates an empty compilation options structure.

init(data: UnsafeMutableRawPointer?, size: Int)

Creates a compilation options structure from the specified opaque compilation options object.

Specifying an options structure's properties

`var data: UnsafeMutableRawPointer?`

A pointer to the opaque compilation options object.

`var size: Int`

The size, in bytes, of the opaque compilation options object.

Relationships

Conforms To

`BitwiseCopyable`

See Also

Specifying and querying compilation options

`func BNNSGraphCompileOptionsMakeDefault() -> bnns_graph_compile_options_t`

Returns an allocated compilation options object with default values.

`func BNNSGraphCompileOptionsDestroy(bnns_graph_compile_options_t)`

Destroys the specified compilation options object.

`func BNNSGraphCompileOptionsSetOutputPath(bnns_graph_compile_options_t, UnsafePointer<CChar>?)`

Sets the option for graph compilation to generate the graph object directly to the specified file.

`func BNNSGraphCompileOptionsGetOutputPath(bnns_graph_compile_options_t) -> UnsafePointer<CChar>?`

Returns the option for the compiled graph's output path.

`func BNNSGraphCompileOptionsSetOutputFD(bnns_graph_compile_options_t, Int32)`

Sets the option for graph compilation to generate the graph object directly to the specified file descriptor.

func **BNNSGraphCompileOptionsGetOutputFD**(bnns_graph_compile_options_t) -> Int32

> Returns the option for the compiled graph's output file descriptor.

func **BNNSGraphCompileOptionsSetTargetSingleThread**(bnns_graph_compile_options_t, Bool)

> Sets the option for the compiled graph to execute on a single thread.

func **BNNSGraphCompileOptionsGetTargetSingleThread**(bnns_graph_compile_options_t) -> Bool

> Returns the option for the compiled graph to execute on a single thread.

func **BNNSGraphCompileOptionsSetOptimizationPreference**(bnns_graph_compile_options_t, BNNSGraphOptimizationPreference)

> Sets the option for the compiled graph to optimize for either size or performance.

func **BNNSGraphCompileOptionsGetOptimizationPreference**(bnns_graph_compile_options_t) -> BNNSGraphOptimizationPreference

> Returns the option for the compiled graph to optimize for either size or performance.

struct **BNNSGraphOptimizationPreference**

> Constants that describe the compilation optimization preference.

func **BNNSGraphCompileOptionsSetGenerateDebugInfo**(bnns_graph_compile_options_t, Bool)

> Sets the option for the compiled graph to include debugging information.

func **BNNSGraphCompileOptionsGetGenerateDebugInfo**(bnns_graph_compile_options_t) -> Bool

> Returns the option for the compiled graph to include debugging information.

var **BNNSTargetSystemGeneric**: BNNSTargetSystem