Structure

BNNSGraphOptimizationPreference

Constants that describe the compilation optimization preference.

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

```
struct BNNSGraphOptimizationPreference
```

Topics

Optimization preferences

`init(UInt32)`

    Creates a new instance.

`init(rawValue: UInt32)`

    Creates a new instance with the specified raw value.

Instance properties

`var rawValue: UInt32`

    The corresponding value of the raw type.

`var BNNSGraphOptimizationPreferenceIRSize: BNNSGraphOptimizationPreference`

    A constant that specifies compilation optimization for smallest graph size on disk.

`var BNNSGraphOptimizationPreferencePerformance: BNNSGraphOptimizationPreference`

A constant that specifies compilation optimization for best execution performance.

Relationships

Conforms To

```
BitwiseCopyable
Equatable
Hashable
RawRepresentable
Sendable
```

See Also

Specifying and querying compilation options

struct `bnns_graph_compile_options_t`

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

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.

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