

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

Function

# BNNSGraphCompileOptionsSetOptimizationPreference(\_:\_:)

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

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

```
func BNNSGraphCompileOptionsSetOptimizationPreference(  
    _ options: bnns_graph_compile_options_t,  
    _ preference: BNNSGraphOptimizationPreference  
)
```

## Parameters

### options

The compilation options object.

### preference

The optimization preference.

## Discussion

The default option is to optimize for performance.

## 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 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
```