Protocol

MTL4MachineLearningCommandEncoder

Encodes dispatch commands that run machine-learning model inference on Apple silicon.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 26.0+ | tvOS 26.0+ | visionOS 26.0+

```
protocol MTL4MachineLearningCommandEncoder : MTL4CommandEncoder
```

Mentioned in

📄 Understanding the Metal 4 core API

Topics

Instance Methods

```
func dispatchNetwork(intermediatesHeap: any MTLHeap)
```

Dispatches a machine learning network using the current pipeline state and argument table.

Required

```
func setArgumentTable(any MTL4ArgumentTable)
```

Sets an argument table for the command encoder's machine learning shader stage.

Required

```
func setPipelineState(any MTL4MachineLearningPipelineState)
```

Configures the encoder with a machine learning pipeline state instance.

Required

Relationships

Inherits From

`MTL4CommandEncoder`, `NSObjectProtocol`

See Also

Encoding a machine-learning pass

`protocol` `MTL4MachineLearningPipelineState`
A pipeline state that you can use with machine-learning encoder instances.