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Class

vDSP.FFT2D

A 2D single- and double-precision fast Fourier transform.

iOS 13.0+ | iPadOS 13.0+ | Mac Catalyst | macOS 10.15+ | tvOS 13.0+ | visionOS | watchOS 6.0+

```
class FFT2D<T> where T : vDSP_FourierTransformable
```

Topics

Initializers

```
init?(width: Int, height: Int, ofType: T.Type)
```

Initializes a new fast Fourier transform instance for 2D FFT.

Instance Methods

```
func transform<T>(input: T, output: inout T, direction: vDSP.FourierTransformDirection)
```

Computes an out-of-place 2D fast Fourier transform.

Relationships

Inherits From

See Also

Objects that Simplify FFTs

`class` `FFT`

A 1D single- and double-precision fast Fourier transform.

`enum` `FourierTransformDirection`

Fast Fourier transform directions.

`enum` `Radix`

Fast Fourier transform radices.