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API Collection

vDSP Protocols

Protocols that support Swift implementations of vDSP operations.

Topics

Essentials

`protocol AccelerateBuffer`

A type that represents an immutable buffer.

`protocol AccelerateMutableBuffer`

A type that represents a mutable buffer.

`protocol AccelerateMatrixBuffer`

`protocol AccelerateMutableMatrixBuffer`

`enum AccelerateMatrixOrder`

Fourier Transform

~~`protocol vDSP_DFTFunctions`~~

A protocol that defines functions for discrete Fourier transform operations.

Deprecated

~~`protocol vDSP_FloatingPointDiscreteFourierTransformable`~~

Types that support discrete Fourier transform operations.

Deprecated

`protocol vDSP_FourierTransformFunctions`

A protocol that defines functions for fast Fourier transform operations.

```
protocol vDSP_FourierTransformable
```

Types that support fast Fourier transform operations.

```
protocol vDSP_DiscreteFourierTransformable
```

```
protocol vDSP_DiscreteTransformLifecycleFunctions
```

Biquadratic Filtering

```
protocol vDSP_BiquadFunctions
```

A protocol that defines functions for biquadratic filtering.

```
protocol vDSP_FloatingPointBiquadFilterable
```

Types that support biquadratic filtering.

Type Conversion

```
protocol vDSP_FloatingPointConvertible
```

Types that are convertible from integer values.

```
protocol vDSP_IntegerConvertible
```

Types that are convertible from floating point values.

Vector Generation

```
protocol vDSP_FloatingPointGeneratable
```

Types that support vectorized window generation.

See Also

Swift overlay

```
enum vDSP
```

An enumeration that acts as a namespace for Swift overlays to vDSP.