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## Class

# vDSP.DCT

A single-precision discrete cosine transform.

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

```
class DCT
```

## Topics

### Initializers

```
init?(previous: vDSP.DCT?, count: Int, transformType: vDSP.DCTTransformType)
```

Initializes a new discrete cosine transform instance.

### Instance Methods

```
func transform<U>(U) -> [Float]
```

Returns the single-precision real discrete cosine transform.

```
func transform<U, V>(U, result: inout V)
```

Computes an out-of-place single-precision real discrete cosine transform.

## See Also

# Objects that Simplify Discrete Cosine Transforms

enum DCTTransformType

An enumeration that describes the discrete cosine transform types.