API Collection

Copying, element swapping, and merging functions

Copy, swap, and merge the elements of two vectors.

Topics

Vector copying functions

The functions in this group copy one vector to another vector.

```
static func copy(DSPSplitComplex, to: inout DSPSplitComplex, count: Int)
```

Copies a complex single-precision vector.

```
static func copy(DSPDoubleSplitComplex, to: inout DSPDoubleSplitComplex, count: Int)
```

Copies a complex double-precision vector.

```
vDSP_zvmov
```

Moves a complex single-precision vector.

```
vDSP_zvmovD
```

Moves a complex double-precision vector.

Vector-to-vector element swapping functions

```
static func swapElements<T, U>(inout T, inout U)
```

Swaps the elements of two single-precision vectors.

```
static func swapElements<T, U>(inout T, inout U)
```

Swaps the elements of two double-precision vectors.

```
vDSP_vswap
```

Swaps the elements of two single-precision vectors using the specified stride.

```
vDSP_vswapD
```

Swaps the elements of two double-precision vectors using the specified stride.

Vector-to-vector merging functions

```
static func taperedMerge<T, U>(T, U) -> [Float]
```

Returns the result of a tapered merge between two single-precision vectors.

```
static func taperedMerge<T, U>(T, U) -> [Double]
```

Returns the result of a tapered merge between two double-precision vectors.

```
static func taperedMerge<T, U, V>(T, U, result: inout V)
```

Computes the result of a tapered merge between two single-precision vectors.

```
static func taperedMerge<T, U, V>(T, U, result: inout V)
```

Computes the result of a tapered merge between two double-precision vectors.

```
vDSP_vtmerg
```

Performs a tapered merge between two single-precision vectors.

```
vDSP_vtmergD
```

Performs a tapered merge between two double-precision vectors.

See Also

Vector operations

≔ Compression and gathering functions

Compress vectors based on the nonzero elements in a gating vector, or gather vectors based on a separate vector that contains indices.

≔ Reversing and sorting functions

Perform in-place reverse and sort operations on a vector.