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API Collection

Reversing and sorting functions

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

Topics

Vector reversing functions

```
static func reverse<V>(inout V)
```

Reverses a vector of single-precision values in-place.

```
static func reverse<V>(inout V)
```

Reverses a vector of double-precision values in-place.

```
vDSP_vrvrs
```

Performs an in-place reversal of a single-precision vector.

```
vDSP_vrvrsD
```

Performs an in-place reversal of a double-precision vector.

Vector sorting functions

The functions in this group sort the values in a vector.

```
static func sort<V>(inout V, sortOrder: vDSP.SortOrder)
```

Sorts a vector of single-precision values in-place.

```
static func sort<V>(inout V, sortOrder: vDSP.SortOrder)
```

Sorts a vector of double-precision values in-place.

`enum SortOrder`

Constants that specify the sorting order.

`vDSP_vsort`

Performs an in-place sort of a single-precision vector.

`vDSP_vsortD`

Performs an in-place sort of a double-precision vector.

`vDSP_vsorti`

Performs an in-place sort of the indices into a single-precision vector.

`vDSP_vsortiD`

Performs an in-place sort of the indices into a double-precision vector.

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.

☰ Copying, element swapping, and merging functions

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