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API Collection

# Vector clear and fill functions

Populate vectors with zeros or a scalar value.

## Topics

### Clearing Vectors

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

Populates a double-precision vector with zeros.

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

Populates a single-precision vector with zeros.

`vDSP_vclr`

Populates a single-precision vector with zeros.

`vDSP_vclrD`

Populates a double-precision vector with zeros.

### Filling Vectors with a Single Scalar Value

`static func fill<V>(inout V, with: Double)`

Populates a double-precision vector with a specified scalar value.

`static func fill<V>(inout V, with: Float)`

Populates a single-precision vector with a specified scalar value.

`vDSP_vfill`

Populates a single-precision vector with a specified scalar value.

`vDSP_vfillD`

Populates a double-precision vector with a specified scalar value.

`vDSP_vfillI`

Populates an integer vector with a specified scalar value.

`vDSP_zvfill`

Populates a complex single-precision vector with a specified scalar value.

`vDSP_zvfillD`

Populates a complex double-precision vector with a specified scalar value.

## See Also

### Vector generation, filling, and clearing

≡ Vector generation

Populate vectors with ramps, values from lookup tables, interpolated values, and window functions.