API Collection

Complex conjugation functions

Calculate the complex conjugate of the elements in a vector.

Topics

Single-Vector Complex Conjugation

The functions in this group find the complex conjugate of values in a vector.

`static func conjugate(DSPSplitComplex, count: Int, result: inout DSPSplitComplex)`

Calculates the complex conjugate of the values in a single-precision vector.

`static func conjugate(DSPDoubleSplitComplex, count: Int, result: inout DSPDoubleSplitComplex)`

Calculates the complex conjugate of the values in a double-precision vector.

`vDSP_zvconj`

Calculates the complex conjugate of the values in a single-precision vector using the specified stride.

`vDSP_zvconjD`

Calculates the complex conjugate of the values in a double-precision vector using the specified stride.

See Also

Single-vector arithmetic functions

- Absolute and negation functions

  Compute the absolute or negated value of each element in a vector.

- Integration functions

  Compute the running sum, Simpson, or trapezoidal integration of a vector.

- Clipping, limit, and threshold operations

  Apply clipping, limit, or threshold rules to the elements in a vector.

- Normalization functions

  Compute the mean and standard deviation of a vector and calculate new elements to have a zero mean and a unit standard deviation.

- Phase computation functions

  Calculate the element-wise phase values, in radians, of a complex vector.

- Vector squaring functions

  Compute the square, signed square, or squared magnitude of the elements in a vector.

- Fractional part extraction

  Truncate the elements of a vector to a fraction.

- Zero crossing search

  Count and find the zero crossings in a vector.