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API Collection

# Extrema finding functions

Extract the values from a vector that fall outside a range.

## Topics

### Vector-to-Vector Extrema Finding

`vDSP_venvlp`

Calculates whether each element in a single-precision vector falls within a specified range.

`vDSP_venvlpD`

Calculates whether each element in a double-precision vector falls within a specified range.

## See Also

### Vector-to-vector extrema functions

 [Vector-to-vector minima and maxima](#)

Compute the element-wise minimum or maximum values or magnitudes in a vector.