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## Function

# vDSP\_biquad\_SetCoefficientsSingle

Sets single-precision coefficients of the specified single-channel biquadratic filter setup object.

iOS 15.0+ | iPadOS 15.0+ | Mac Catalyst 15.0+ | macOS 12.0+ | tvOS 15.0+ | visionOS 1.0+ | watchOS 8.0+

```
extern void vDSP_biquad_SetCoefficientsSingle(vDSP_biquad
_Setup __setup, const float * __coeffs, vDSP_Length __start_sec, vDSP
_Length __nsec);
```

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## Parameters

### **\_\_setup**

The biquadratic filter setup object that the function updates.

### **\_\_coeffs**

A pointer to the new coefficients.

### **\_\_start\_sec**

The first section that the function updates.

### **\_\_nsec**

The number of sections that the function updates.

## Discussion

Use this function to update sections of coefficient values of a biquad setup structure. This function doesn't allocate new memory. The range that you specify using `__start_sec` and `__nsec` must be within the number of sections that you define in the create setup function.

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## See Also

### Setting the coefficients of a single-channel biquadratic filter

`vDSP_biquad_SetCoefficientsDouble`

Sets double-precision coefficients of the specified single-channel biquadratic filter setup object.