Class

VTFrameRateConversionParameters

An object that contains the required input and output parameters to run a frame rate conversion processor on a frame.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 15.4+

```
class VTFrameRateConversionParameters
```

Overview

This object is used in the processWithParameters call of a VTFrameProcessor class. The output parameter is a destinationFrame where the output frame is returned as a VTFrameProcessorMutableFrame back to the caller function once the processing completes.

The parameters within VTFrameRateConversionParameters are frame level parameters.

Topics

Creating conversion parameters

```
convenience init?(sourceFrame: VTFrameProcessorFrame, nextFrame:
VTFrameProcessorFrame, opticalFlow: VTFrameProcessorOpticalFlow?,
interpolationPhase: [Float], submissionMode: VTFrameRateConversion
Parameters.SubmissionMode, destinationFrames: [VTFrameProcessorFrame])
```
    Creates a new frame rate conversion parameters object.

Inspecting the parameters

`var sourceFrame: VTFrameProcessorFrame`

    The current source frame.

`var nextFrame: VTFrameProcessorFrame?`

    The next source frame in presentation time order.

`var opticalFlow: VTFrameProcessorOpticalFlow?`

    A property that defines the optical flow for an object.

`var interpolationPhase: [Float]`

    An array of floating-point values that indicate which intervals to insert a frame between the current and next frame.

`var submissionMode: VTFrameRateConversionParameters.SubmissionMode`

    A value describing the processing request in a parameters submission object.

`enum SubmissionMode`

    A value describing the processing request in a parameters submission object.

Relationships

Inherits From

`NSObject`

Conforms To

```
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSObjectProtocol
VTFrameProcessorParameters
```

See Also

Frame rate conversion

`class` `VTFrameRateConversionConfiguration`

An object that enables the frame rate conversion on a frame processing session.