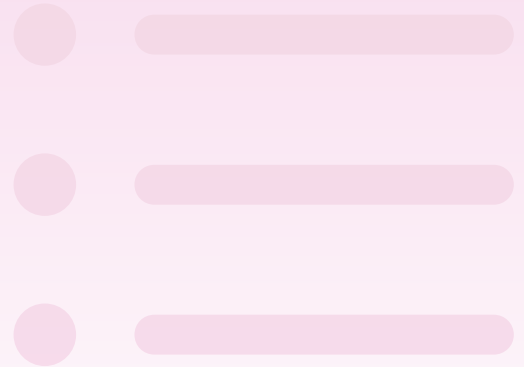


[Accelerate](#) / Image shearing

API Collection



Image shearing

Shear images horizontally and vertically.





Topics

Shearing an image horizontally

-  Single-precision horizontal shearing
Apply single-precision horizontal shearing to images.
-  Double-precision horizontal shearing
Apply double-precision horizontal shearing to images.

Shearing an image vertically

-  Single-precision vertical shearing
Apply single-precision vertical shearing to images.
-  Double-precision vertical shearing
Apply double-precision vertical shearing to images.

Resampling filters

```
func vImageNewResamplingFilter(Float, vImage_Flags) -> ResamplingFilter
!
```

Creates a resampling filter object that corresponds to the default kernel supplied by the vImage framework.

```
func vImageNewResamplingFilterForFunctionUsingBuffer(ResamplingFilter,
Float, ((UnsafePointer<Float>?, UnsafeMutablePointer<Float>?, UInt,
UnsafeMutableRawPointer?) -> Void)!, Float, UnsafeMutableRawPointer!, v
Image_Flags) -> vImage_Error
```

Creates a resampling filter object that encapsulates a resampling kernel function that you provide.

```
func vImageGetResamplingFilterExtent(ResamplingFilter, vImage_Flags) ->
vImagePixelCount
```

Returns the maximum sampling radius for a resampling filter.

```
func vImageGetResamplingFilterSize(Float, ((UnsafePointer<Float>?,
UnsafeMutablePointer<Float>?, UInt, UnsafeMutableRawPointer?) -> Void
)!, Float, vImage_Flags) -> Int
```

Returns the minimum size, in bytes, for the buffer needed by the new resampling filter function.

```
func vImageDestroyResamplingFilter(ResamplingFilter!)
```

Disposes of a resampling filter object.

See Also

Image Resampling



Resampling in vImage

Learn how vImage resamples image data during geometric operations.



Reducing artifacts with custom resampling filters

Implement custom linear interpolation to prevent the ringing effects associated with scaling an image with the default Lanczos algorithm.