Quil 1.0.0-SNAPSHOT

Color Creating & Reading alpha blend-color blue brightness color color-mode green hue lerp-color red saturation Loading & Displaying no-tint **Pixels** blend Setting background background-float background-image background-int fill fill-float fill-int no-fill no-stroke stroke stroke-float

Data

Conversion binary hex unbinary unhex

Environment

current-frame-rate cursor cursor-image focused frame-count frame-rate height no-cursor screen-height screen-width width

stroke-int

Image

create-image

Loading & Displaying image image-mode load-image

mask-image request-image tint

tint-float tint-int

Pixels copy display-filter get-pixel

> load-pixels pixels set-image set-pixel update-pixels

Input

Files create-input create-input-raw load-bytes

load-strings

Keyboard key-code key-pressed? raw-key

Mouse mouse-button mouse-state mouse-x mouse-y

pmouse-x pmouse-y

Time & Date day hour millis minute month seconds year

Lights, Camera

Camera begin-camera camera end-camera frustum ortho perspective print-camera print-projection Coordinates model-x model-y model-z screen-x

screen-y screen-z

Lights ambient-light directional-light

light-falloff light-specular

lights no-lights normal point-light

spot-light

Material Properties ambient ambient-float ambient-int

emissive emissive-float emissive-int

shininess specular

Math

Calculation abs abs-float abs-int ceil constrain

constrain-float constrain-int dist exp lerp log mag map-range norm pow round sq

sqrt

Random noise noise-detail noise-seed random

random-seed

Trigonometry acos asin atan atan2 cos degrees radians

sin tan

Output

Image

Files begin-raw begin-record create-output end-raw

> end-record save save-frame

Rendering

create-graphics hint

Shape	
2D Primitives	arc ellipse line point quad rect triangle
3D Primitives	box sphere sphere-detail
Attributes	ellipse-mode no-smooth rect-mode smooth stroke-cap stroke-join stroke-weight
Curves	bezier bezier-detail bezier-point bezier-tangent curve curve-detail curve-point curve-tangent curve-tightness
Loading & Displaying	load-shape shape-mode
Vertex	begin-shape bezier-vertex curve-vertex end-shape texture texture-mode vertex

State

set-state! state

Structure

delay-frame exit no-loop pop-style push-style redraw start-loop

Transform

apply-matrix pop-matrix print-matrix push-matrix reset-matrix rotate rotate-x rotate-y rotate-z scale shear-x shear-y translate

Utility Macros with-rotation with-translation

Typography

Attributes text-align text-leading text-mode text-size text-width Loading & Displaying

available-fonts create-font font-available? load-font text text-char text-font text-num

Metrics text-ascent text-descent

Sketch

Creation sketch defsketch Control sketch-stop sketch-start sketch-close Config Keywords :title :size :renderer Draw Callback Keywords :setup :draw Mouse Callback Keywords :mouse-pressed :mouse-released :mouse-moved :mouse-dragged :mouse-entered :mouse-exited :mouse-clicked Keyboard Callback Keywords :key-pressed :key-released

Reflection

Window Callback Keywords

API Exploration doc-cats doc-fns doc-meths Version processing-version

:key-typed

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:focus-gained :focus-lost

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