A simple and easy-to-use library to enjoy videogames programming

[raylib Discord server][github.com/raysan5/raylib][raylib.h]

raylib

v5.5 quick reference card (download as PDF)

Chinese Translation: 以下为rayLib所有日PI接口中文释义

module: rcore

```
// Window-related functions
void InitWindow(int width, int height, const char *title); // Initialize window and OpenGL context
void CloseWindow(void); // Close window and unload OpenGL context
bool WindowShouldClose(void); // Check if application should close (K
                                                                                                                                                                                                                                                                                                     // Initialize window and OpenGL context
// Close window and unload OpenGL context
// Check if application should close (KEY ESCAFE pressed or windows close icon clicked)
// Check if window has been initialized successfully
// Check if window is currently fullscreen
// Check if window is currently fullscreen
// Check if window is currently minimized
// Check if window is currently minimized
// Check if window is currently maximized
// Check if window is currently most function
// Check if window has been resized last frame
// Check if one specific window flag is enabled
// Set window configuration state using flags
// Clear window configuration state flags
// Toggle window state: fullscreen/windowed, resizes monitor to match window resolution
// Set window state: minimized, if resizable
// Set window state: most minimized, if resizable
// Set window state: not minimized/maximized
// Set con for window (single image, RGBA 32bit)
// Set con for window (single images, RGBA 32bit)
// Set title for window
// Set window position on screen
// Set window mosition on screen
// Set window minimum dimensions (for FLAG_WINDOW_RESIZABLE)
// Set window opacity [0.0f..1.0f]
 bool IsWindowReady(void);
bool IsWindowFullscreen(void);
bool IsWindowHidden(void);
 bool IsWindowHidden(void);
bool IsWindowWhimimized(void);
bool IsWindowMoximized(void);
bool IsWindowFocused(void);
bool IsWindowFocused(void);
bool IsWindowState(unsigned int flag);
void SetWindowState(unsigned int flags);
void ClearWindowState(unsigned int flags);
void ToggleFullscreen(void);
   void ToggleBorderlessWindowed(void);
void MaximizeWindow(void);
 void MaximizeWindow(void);
void MinimizeWindow(void);
void RestoreWindow(void);
void SetWindowIcon(Image image);
void SetWindowIcons(Image *images, int count);
void SetWindowTole(const char *title);
void SetWindowPosition(int x, int y);
void SetWindowPosition(int monitor);
void SetWindowMonitor(int monitor);
void SetWindowMaxSize(int width, int height);
void SetWindowMaxSize(int width, int height);
void SetWindowSozie(int width, int height);
void SetWindowFocused(void);
void *GetWindowFocused(void);
void *GetWindowHandle(void);
int GetScreenWidth(void);
                                                                                                                                                                                                                                                                                                     // Set window maximum dimensions (for FLAG_WINDOW_RESIZABLE)
// Set window opacity [0.0f..1.0f]
// Set window focused
// Get native window handle
// Get current screen width
// Get current render height
// Get current render height (it considers HiDPI)
// Get current render height (it considers HiDPI)
// Get current render height (it considers HiDPI)
// Get current monitor width (successed by monitor)
// Get specified monitor position
// Get specified monitor width (current video mode used by monitor)
// Get specified monitor height (current video mode used by monitor)
// Get specified monitor height (current video mode used by monitor)
// Get specified monitor height (current video mode used by monitor)
// Get specified monitor physical width in millimetres
// Get specified monitor physical height in millimetres
// Get specified monitor refresh rate
// Get window scale DPI factor
// Get window scale DPI factor
// Get the human-readable, UTF-8 encoded name of the specified monitor
// Set clipboard text content
// Get clipboard image
// Enable waiting for events on EndDrawing(), no automatic event polling
// Disable waiting for events on EndDrawing(), automatic events
   int GetScreenWidth(void);
int GetScreenHeight(void);
int GetRenderWidth(void);
  int GetReinderMidth(Void);
int GetReinderHeight(void);
int GetMonitorCount(void);
int GetCurrentMonitor(void);
Vector2 GetMonitorPosition(int monitor);
Vector2 GetMonitorPosition(int monitor);
int GetMonitorWidth(int monitor);
int GetMonitorHeight(int monitor);
int GetMonitorPhysicalWidth(int monitor);
int GetMonitorPhysicalWidth(int monitor);
int GetMonitorPhysicalHeight(int monitor);
Vector2 GetWindowPosition(void);
Vector2 GetWindowScaleDPI(void);
const char *GetMonitorName(int monitor);
void SetClipboardText(const char *text);
const char *GetClipboardText(void);
Image GetClipboardTmage(void);
void SetAlbetVentWaiting(void);
   void EnableEventWaiting(void);
void DisableEventWaiting(void);
     // Cursor-related functions
   void ShowCursor(void);
                                                                                                                                                                                                                                                                                                        // Silows Cursor
// Hides cursor
// Check if cursor is not visible
// Enables cursor (unlock cursor)
// Disables cursor (lock cursor)
// Check if cursor is on the screen
 void HideCursor(void);
bool IsCursorHidden(void)
void EnableCursor(void);
 void DisableCursor(void);
bool IsCursorOnScreen(void);
   void ClearBackground(Color color);
                                                                                                                                                                                                                                                                                                        // Set background course (trameburfer treat color)
// Setup canvas (frameburfer) to start drawing
// End canvas drawing and swap buffers (double buffering)
// Begin 2D mode with custom camera (2D)
// Ends 2D mode with custom camera (3D)
  void BeginDrawing(void);
void EndDrawing(void);
   void BeginMode2D(Camera2D camera);
void EndMode2D(void);
void BeginMode3D(Camera3D camera);
                                                                                                                                                                                                                                                                                                        // Begin 3D mode with custom camera (3D)
// Ends 3D mode and returns to default 2D orthographic mode
// Begin drawing to render texture
// Ends drawing to render texture
// Begin custom shader drawing
// End custom shader drawing (use default shader)
// Begin blending mode (alpha, additive, multiplied, subtract, custom)
// End blending mode (reset to default: alpha blending)
// Begin spissor mode (define spreen area for following drawing)
   void EndMode3D(void);
void BeginTextureMode(RenderTexture2D target);
   void EndTextureMode(void);
   void BeginShaderMode(Shader shader);
void EndShaderMode(void);
   void BeginBlendMode(int mode);
  void BeginBlendMode(Int mode);
void EndBlendMode(void);
// End blending mode (reset to default; alpha Dienainy)
void BeginScissorMode(int x, int y, int width, int height); // Begin scissor mode (define screen area for following drawing)
void EndScissorMode(void);
// End scissor mode
void BeginVrStereoMode(VrStereoConfig config);
// End stereo rendering (requires VR simulator)

**Tid PrdVrStereoMode(void);
// End stereo rendering (requires VR simulator)
 // VR stereo config functions for VR simulator
VrStereoConfig LoadVrStereoConfig(VrDeviceInfo device);
                                                                                                                                                                                                                                                                                                       // Load VR stereo config for VR simulator device parameters // Unload VR stereo config
    void UnloadVrStereoConfig(VrStereoConfig config);
  // Shader management functions
// NOTE: Shader functionality is not available on OpenGL 1.1
Shader LoadShader(const char *vsFileName, const char *fsFileName);
 // NOTE: Shader functionality is not available on OpenGI 1.1
Shader LoadShader(const char *twSFileName, const char *fsFileName); // Load shader from files and bind default locations
Shader LoadShader(const char *twSFileName); // Load shader from code strings and bind default locations
bool IsShaderValid(Shader shader); // Check if a shader is valid (loaded on GPU)
int GetShaderLocation(Shader shader, const char *uniformName); // Get shader uniform location
int GetShaderLocationAttrib(Shader shader, const char *attribName); // Get shader uniform location
void SetShaderValue(Shader shader, int locIndex, const void *value, int uniformType); // Set shader uniform value
void SetShaderValueWatrix(Shader, int locIndex, const void *value, int uniformType, int count); // Set shader uniform value vector
void SetShaderValueMatrix(Shader, int locIndex, Matrix mat); // Set shader uniform value (matrix 4x4)
void SetShaderValueTexture(Shader, int locIndex, Texture2D texture); // Set shader uniform value feature (sampler2d)
void UnloadShader(Shader shader); // Unload shader from GFU memory (VRAM)
   // Screen-space-related functions
#define GetMouseRay GetScreenToWorldRay
#define GetMouseRay GetScreenToWorldRay // Compatibility hack for previous raylib versions
Ray GetScreenToWorldRay(Vector2 position, Camera camera); // Get a ray trace from screen position (i.e mouse)
Ray GetScreenToWorldRayEx (Vector2 position, Camera camera, int width, int height); // Get a ray trace from screen position (i.e mouse) in a viewport
Vector2 GetWorldToScreen(Vector3 position, Camera camera); // Get the screen space position for a 3d world space position
Vector2 GetWorldToScreenEx(Vector3 position, Camera camera, int width, inth height); // Get size position for a 3d world space position
Vector2 GetWorldToScreenEx(Vector3 position, Camera2D camera); // Get the screen space position for a 2d camera world space position
Vector2 GetScreenToWorldZD(Vector2 position, Camera2D camera); // Get the world space position for a 2d camera screen space position
Matrix GetCameraMatrix(Camera camera); // Get camera 2d transform matrix (view matrix)
// Get camera 2d transform matrix
                                                                                                                                                                                                                          // Compatibility hack for previous raylib versions
   void SetTargetFPS(int fps);
                                                                                                                                                                                                                                                                                                        // Set target FPS (maximum)
```

```
float GetFrameTime(void);
                                                                                                                                                                      // Get elapsed time in seconds since InitWindow()
 double GetTime(void);
// Custom frame control functions
// NOTE: Those functions are intended for advanced users that want full control over the frame processing
// By default EndDrawing() does this job: draws everything + SwapScreenBuffer() + manage frame timing + PollInputEvents()
// To avoid that behaviour and control frame processes manually, enable in config.h: SUPPORT_CUSTOM_FRAME_CONTROL
void SwapScreenBuffer(void);
// Swap back buffer with front buffer (screen drawing)
void PollInputEvents(void);
// Register all input events
void WaitTime(double seconds);
// Wait for some time (halt program execution)
 // Random values generation functions
void SetRandomSeed(unsigned int seed); // Set the seed for the random number generator
int GetRandomSeud(int min, int max); // Get a random value between min and max (both included)
int *LoadRandomSequence(unsigned int count, int min, int max); // Load random values sequence, no values repeated
void UnloadRandomSequence(int *sequence); // Unload random values sequence
 void TakeScreenshot(const char *fileName);
                                                                                                                                                                     // Takes a screenshot of current screen (filename extension defines format) // Setup init configuration flags (view FLAGS) // Open URL with default system browser (if available)
 void SetConfigFlags(unsigned int flags);
void OpenURL(const char *url);
                                                                                                                                                                   // Show trace log messages (LOG_DEBUG, LOG_INFO, LOG_WARNING, LOG_ERROR...)
// Set the current threshold (minimum) log level
// Internal memory allocator
// Internal memory reallocator
// Internal memory from
void TraceLog(int logLevel, const char *text, ...);
void SetTraceLogLevel(int logLevel);
void *MemRelloc(unsigned int size);
void *MemRealloc(void *ptr, unsigned int size);
 void MemFree (void *ptr);
 // WarNING: Callbacks setup is intended for advanced users
void SetTraceLogCallback(TraceLogCallback callback); // Set custom trace log
void SetLoadFileDataCallback(LoadFileDataCallback callback); // Set custom file binary data loader
void SetSaveFileDataCallback(SaveFileDataCallback callback); // Set custom file binary data saver
void SetLoadFileTextCallback(LoadFileTextCallback callback); // Set custom file text data loader
void SetSaveFileTextCallback(SaveFileTextCallback callback); // Set custom file text data saver
// Files management functions
unsigned char *LoadFileData(const char *fileName, int *dataSize); // Load file data as byte array (read)
void UnloadFileData(unsigned char *data); // Unload file data allocated by LoadFileData()
bool SaveFileData(const char *fileName, void *data, int dataSize); // Save data to file from byte array (write), returns true on success
bool ExportDataAsCode(const unsigned char *data, int dataSize, const char *fileName); // Export data to code (.h), returns true on success
char *LoadFileText(const char *fileName); // Load text data from file (read), returns a '\0' terminated string
void UnloadFileText(char *text); // Unload file text data allocated by LoadFileText()
bool SaveFileText(const char *fileName, char *text); // Save text data to file (write), string must be '\0' terminated, returns true on success
bool FileExists(const char *fileName);
                                                                                                                                                                     // Check if file exists
FilePathList LoadDroppedFiles(void);
void UnloadDroppedFiles(FilePathList files);
                                                                                                                                                                     // Load dropped filepaths
// Unload dropped filepaths
                                                                                                                                                                    // Get file modification time (last write time)
 long GetFileModTime(const char *fileName);
// Compression/Encoding functionality
unsigned char *CompressData(const unsigned char *data, int dataSize, int *compDataSize); // Compress data (DEFLATE algorithm), memory must be MemFree()
unsigned char *DecompressData(const unsigned char *data, int compDataSize, int *dataSize); // Decompress data (DEFLATE algorithm), memory must be MemFree()
char *EncodeDataBase64(const unsigned char *data, int dataSize, int *outputSize); // Encode data to Base64 string, memory must be MemFree()
unsigned char *DecodeDataBase64(const unsigned char *data, int dataSize); // Compute CRG32 hash code
unsigned int ComputeCRG32(unsigned char *data, int dataSize); // Compute CRG32 hash code
unsigned int *ComputeMD5(unsigned char *data, int dataSize); // Compute MD5 hash code, returns static int[4] (16 bytes)
unsigned int *ComputeSHA1(unsigned char *data, int dataSize); // Compute SHA1 hash code, returns static int[5] (20 bytes)
AutomationEventList LoadAutomationEventList(const char *fileName);
void UnloadAutomationEventList(AutomationEventList list);
bool ExportAutomationEventList(AutomationEventList list, const char *fileName);
void SetAutomationEventList(AutomationEventList *list);
void SetAutomationEventEaseFrame(int frame);
                                                                                                                                                                                                                                // Load automation events list from file, NULL for empty list, capacity = MAX_AUTOMATION_EVENTS
// Unload automation events list from file
// Export automation events list as text file
// Set automation event list to record to
// Set automation event internal base frame to start recording
                                                                                                                                                                                                                                 // Start recording automation events (AutomationEventList must be set)
// Stop recording automation events
// Play a recorded automation event
 void StartAutomationEventRecording(void);
void StopAutomationEventRecording(void);
void PlayAutomationEvent(AutomationEvent event);
 // Input Handling Functions (Module: core)
// Input-related functions: keyboard
bool IsKeyPressed(int key);
bool IsKeyPressedRepeat(int key);
                                                                                                                                                         // Check if a key has been pressed once
// Check if a key has been pressed again
// Check if a key is being pressed
// Check if a key has been released once
 bool IsKeyDown(int key);
bool IsKeyReleased(int key);
                                                                                                                                                         // Check if a key has Deen reseased once
// Check if a key is NOT being pressed
// Get key pressed (keycode), call it multiple times for keys queued, returns 0 when the queue is empty
// Get char pressed (unicode), call it multiple times for chars queued, returns 0 when the queue is empty
// Set a custom key to exit program (default is ESC)
 bool IsKeyUp(int key);
int GetKeyPressed(void);
int GetCharPressed(void);
 void SetExitKey(int key);
// Input-related functions: gamepads
bool IsGamepadAvailable(int gamepad);
const char *GetGamepadName(int gamepad);
bool IsGamepadButtonPressed(int gamepad, int button);
bool IsGamepadButtonDown(int gamepad, int button);
bool IsGamepadButtonReleased(int gamepad, int button);
bool IsGamepadButtonUp(int gamepad, int button);
int GetGamepadButtonPressed(void);
int GetGamepadButtonPressed(void);
                                                                                                                                                                                                                  // Check if a gamepad is available
// Get gamepad internal name id
// Check if a gamepad button has been pressed once
// Check if a gamepad button is being pressed
// Check if a gamepad button has been released once
// Check if a gamepad button is NOT being pressed
// Get the last gamepad button pressed
// Get gamepad axis count for a gamepad
// Get axis movement value for a gamepad axis
// Set internal gamepad mappings (SDL GameControlle.
 bool IsMouseButtonPressed(int button);
                                                                                                                                                          // Check if a mouse button is being pressed
// Check if a mouse button has been released once
// Check if a mouse button is NOT being pressed
 bool IsMouseButtonDown(int button);
bool IsMouseButtonReleased(int button);
 bool IsMouseButtonUp(int button);
```

```
int GetMouseX(void);
int GetMouseX(void);
int GetMouseY(void);
Vector2 GetMousePosition(void);
Vector2 GetMouseDelta(void);
void SetMousePosition(int x, int y);
void SetMouseOsffset(int offsetX, int offsetY);
void SetMouseScale(float scaleX, float scaleY);
float GetMouseWheelMove(void);
Vector2 GetMouseWheelMoveV(void);
void SetMouseWheelMoveV(void);
                                                                                                                      // Get mouse position Y
// Get mouse position XY
// Get mouse delta between frames
                                                                                                                     // Set mouse position XY
// Set mouse offset
                                                                                                                     // Set mouse scaling
// Get mouse wheel movement for X or Y, whichever is larger
// Get mouse wheel movement for both X and Y
 void SetMouseCursor(int cursor);
int GetTouchX(void);
int GetTouchY(void);
                                                                                                                    // Get touch position X for touch point 0 (relative to screen size)
// Get touch position Y for touch point 0 (relative to screen size)
// Get touch position XY for a touch point index (relative to screen size)
// Get touch point identifier for given index
Vector2 GetTouchPosition(int index);
int GetTouchPointId(int index);
int GetTouchPointCount(void);
void SetGesturesEnabled(unsigned int flags);
                                                                                                        // Enable a set of gestures using flags
                                                                                                      // Check if a gesture have been detected
// Get latest detected gesture
// Get gesture hold time in seconds
 bool IsGestureDetected(unsigned int gesture);
int GetGestureDetected(void);
 float GetGestureHoldDuration(void);
                                                                                                       // Get gesture drag vector
// Get gesture drag angle
// Get gesture pinch delta
// Get gesture pinch angle
Vector2 GetGestureDragVector(void);
float GetGestureDragAngle(void);
Vector2 GetGesturePinchVector(void);
     oat GetGesturePinchAngle(void);
 // Camera System Functions (Module: rcamera)
void UpdateCamera(Camera *camera, int mode); // Update camera position for selected mode
void UpdateCameraPro(Camera *camera, Vector3 movement, Vector3 rotation, float zoom); // Update camera movement/rotation
```

module: rshapes

```
// Set texture and rectangle to be used on shapes drawing
// NOTE: It can be useful when using basic shapes and one single font,
// defining a font char white rectangle would allow drawing everything in a single draw call
void SetShapesTexture(Texture2D texture, Rectangle source); // Set texture and rectangle to be used on shapes drawing
Texture2D GetShapesTexture(void); // Get texture that is used for shapes drawing
Rectangle GetShapesTextureRectangle(void); // Get texture source rectangle that is used for shapes drawing
Rectangle GetShapesTextureRectangle(void);

// Basic shapes drawing functions
void DrawFixel(int postX, int postX, color color);
void DrawFixel(int postX, int postX, color color);
void DrawFixel(int postX, int postX, color color);
void DrawFixel(int postX, int postX, int postX, int endFostX, int startFostY, int endFostX, int startFostX, vector2 endFostX, int endFostX, int
                                                                                                                                                                                                                                                                                                                                                                                                                                                 // Draw a pixel using geometry [Can be slow, use with care]
// Draw a pixel using geometry (Vector version) [Can be slow, use with care]
// Draw a line
  void DrawRectangleRoundedLines(Rectangle rec, float roundness, int segments, Color color); // Draw rectangle lines with rounded edges void DrawRectangleRoundedLinesEX(Rectangle rec, float roundness, int segments, float lineThick, Color color); // Draw rectangle with rounded edges outline void DrawTriangle(Vector2 v1, Vector2 v2, Vector2 v3, Color color); // Draw a color-filled triangle (vertex in counter-clockwise order!) void DrawTriangleEnines(Vector2 v1, Vector2 v2, Vector2 v3, Color color); // Draw a triangle outline (vertex in counter-clockwise order!) void DrawTriangleEnin(const Vector2 *points, int pointCount, Color color); // Draw a triangle fan defined by points (first vertex is the center) void DrawPolyLines(Vector2 center, int sides, float rotation, Color color); // Draw a regular polygon (Vector version) void DrawPolyLines(Vector2 center, int sides, float radius, float rotation, float lineThick, Color color); // Draw a polygon outline of n sides with extended parameters
    void DrawSplineLinear(const Vector2 *points, int pointCount, float thick, Color color);
void DrawSplineBasis(const Vector2 *points, int pointCount, float thick, Color color);
void DrawSplineCatmullRom(const Vector2 *points, int pointCount, float thick, Color color);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            // Draw spline: Linear, minimum 2 points
// Draw spline: B-Spline, minimum 4 points
// Draw spline: Catmull-Rom, minimum 4 points
  void DrawSplineBezierQuadratic(const Vector2 *points, int pointCount, float thick, Color color); // Draw spline: Catmull-Rom, minimum 4 points void DrawSplineBezierQuadratic(const Vector2 *points, int pointCount, float thick, Color color); // Draw spline: Quadratic Bezier, minimum 3 points (1 control point): void DrawSplineBezierCubic(const Vector2 *points, int pointCount, float thick, Color color); // Draw spline: Cubic Bezier, minimum 4 points (2 control points): [p void DrawSplineSegmentLinear(Vector2 p1, Vector2 p2, float thick, Color color); // Draw spline segment: Linear, 2 points void DrawSplineSegmentBezierCubic(Vector2 p1, Vector2 p3, Vector2 p4, float thick, Color color); // Draw spline segment: E-Spline, 4 points void DrawSplineSegmentBezierQuadratic(Vector2 p1, Vector2 p3, Float thick, Color color); // Draw spline segment: Catmull-Rom, 4 points void DrawSplineSegmentBezierQuadratic(Vector2 p1, Vector2 c2, Vector2 p3, float thick, Color color); // Draw spline segment: Cubic Bezier, 2 points, 1 control point void DrawSplineSegmentBezierCubic(Vector2 p1, Vector2 c2, Vector2 c3, Vector2 p4, float thick, Color color); // Draw spline segment: Cubic Bezier, 2 points, 2 control points
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            // Draw spline: Quadratic Bezier, minimum 3 points (1 control point): [p1, // Draw spline: Cubic Bezier, minimum 4 points (2 control points): [p1, c2
                                                                                 point evaluation functions, for a given
  // Spline segment point evaluation functions, for a given t [0.0f .. 1.0f]
Vector2 GetSplinePointLinear(Vector2 startPos, Vector2 endPos, float t);
Vector2 GetSplinePointBasis(Vector2 p1, Vector2 p2, Vector2 p3, Vector2 p4, float t);
Vector2 GetSplinePointCatmullRom(Vector2 p1, Vector2 p2, Vector2 p3, Vector2 p4, float t);
Vector2 GetSplinePointBezierQuad(Vector2 p1, Vector2 c2, Vector2 p3, float t);
Vector2 GetSplinePointBezierCubic(Vector2 p1, Vector2 c2, Vector2 c3, Vector2 p4, float t);
                                                                                                                                                                                                                                                                                                                                                                                                                                                 // Get (evaluate) spline point: Linear
// Get (evaluate) spline point: B-Spline
// Get (evaluate) spline point: Catmull-Rom
                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Get (evaluate) spline point: Cubic Bezier
  // Basic Snapes Collision detection functions
bool CheckCollisionRecs(Rectangle recl, Rectangle rec2);
bool CheckCollisionCircles(Vector2 center1, float radius1, Vector2 center2, float radius2);
bool CheckCollisionCircleInec(Vector2 center, float radius, Rectangle rec);
bool CheckCollisionCircleIne(Vector2 center, float radius, Vector2 pl, Vector2 p2);
bool CheckCollisionPointRec(Vector2 point, Rectangle rec);
                                                                                                                                                                                                                                                                                                                                                                                                                                                    // Check collision between two rectangles
  Rectangle GetCollisionRec(Rectangle rec1, Rectangle rec2);
```

```
// Image loading functions
// NOTE: These functions do not require GPU access
Image LoadImage(const char *fileName);
Image LoadImageRaw(const char *fileName, int width, int height, int format, int headerSize);
Image LoadImageAnim(const char *fileName, int *frames);
Image LoadImageAnim(const char *fileName, int *frames);
Image LoadImageFromMemory(const char *fileType, const unsigned char *fileData, int dataSize, int *frames);
Image LoadImageFromMemory(const char *fileType, const unsigned char *fileData, int dataSize);
Image LoadImageFromScreen(void);
Image LoadImageFromScreen(void);
Image LoadImageFromScreen(void);
Image LoadImageFromScreen(void);
Image LoadImageFromScreen(void);
Image LoadImage image image;
Image LoadImage image image image;
Image LoadImage image image image;
Image LoadImageFromScreen(void);
Image LoadImage FromScreen(void);
Image LoadImage FromScreen(v
      // Image generation functions
Image GenImageColor(int width, int height, Color color);
Image GenImageGradientLinear(int width, int height, int direction, Color start, Color end);
Image GenImageGradientLinear(int width, int height, float density, Color inner, Color outer);
Image GenImageGradientSquare(int width, int height, float density, Color inner, Color outer);
Image GenImageChecked(int width, int height, float factor);
Image GenImagePenImNoise(int width, int height, float factor);
Image GenImagePenImNoise(int width, int height, int offsetX, int offsetY, float scale);
Image GenImagePenImNoise(int width, int height, int tileSize);
Image GenImagePenImNoise(int width, int height, const char *text);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               // Generate image: plain color
// Generate image: linear gradient, direction in degrees [0..360], 0=Vertical gr
// Generate image: radial gradient
// Generate image: square gradient
// Generate image: checked
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               // Generate image: checked
// Generate image: white noise
// Generate image: perlin noise
// Generate image: cellular algorithm, bigger tileSize means bigger cells
// Generate image: grayscale image from text data
Image GenfmageText(int width, int height, const char 'text);

// Create an image duplicate (useful for transformations)

Image ImageTextCas(formating image, lange, int selectedChannel);

Image ImageTextCas(formating image, int selectedChannel);

Image ImageTextCas(fort font, const char 'text, the Into Misse, color color);

Image ImageTextCas(fort font, const char 'text, thou fontSize, color color);

Image ImageTextCas(fort font, const char 'text, thought fontSize, color color);

Image ImageTextCas(fort font, const char 'text, thought fontSize, color color);

Image ImageTextCas(fort font, const char 'text, thought fontSize, float spacing, Color tint);

// Create an image from text (default font)

// Create an image from text (defaul
   // Image drawing functions
// NOTE: Image software-rendering functions (CPU)
void ImageClearBackground(Image 'dst, Color color);
void ImageDrawFixel(Image 'dst, int posX, int posX, Color color);
// Draw pixel within an image
void ImageDrawFixel(Image 'dst, Vector2 position, Color color);
// Draw pixel within an image (Vector version)
void ImageDrawLine(Image 'dst, Vector2 start, Vector2 end, Color color);
// Draw pixel within an image (Vector version)
void ImageDrawLineEX(Image 'dst, Vector2 start, Vector2 end, Color color);
// Draw line within an image (Vector version)
void ImageDrawCircle(Image 'dst, Vector2 start, Vector2 end, int thick, Color color);
// Draw a filled circle within an image
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw a filled circle within an image
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw a filled circle within an image (Vector version)
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw a filled circle within an image (Vector version)
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw a filled circle within an image (Vector version)
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw a filled circle within an image (Vector version)
void ImageDrawCircle(Image 'dst, Vector2 center, int radius, Color color);
// Draw circle outline within an image (Vector version)
void ImageDrawCetangle(Vimage 'dst, Vector2 position, Vector2 size, Color color);
// Draw rectangle within an image (Vector version)
void ImageDrawTetangle(Emage 'dst, Vector2 v1, Vector2 v2, Vector2 v3, Color color);
// Draw rectangle within an image
void ImageDrawTetangle(Excinge 'dst, Vector2 v2, Vector2 v3, Color color);
// Draw retriangle within an image
void ImageDrawTetangle(Excinge 'dst, Vector2 v2, Vector2 v3, Color color);
// Draw a triangle strip defined by points within an image
void ImageDrawTetangleFan(Image 'dst, Vector2 'points, int pointCount, Co
      // Texture loading functions
// NOTE: These functions require GPU access
Texture2D LoadTexture(const char *fileName);
Texture2D LoadTextureFromImage (Image image);
TextureCubemap LoadTextureCubemap(Image image, int layout)
RenderTexture2D LoadRenderTexture(int width, int height);
bool IsTextureValid(Texture2D texture);
widd UnloadTexture (Texture2D texture);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            // Load texture from file into GPU memory (VRAM)
// Load texture from image data
// Load cubemap from image, multiple image cubemap layouts supported
// Load texture for rendering (framebuffer)
// Check if a texture is valid (loaded in GPU)
// Unload texture from GPU memory (VRAM)
// Check if a render texture is valid (loaded in GPU)
// Unload render texture from GPU memory (VRAM)
// Update GPU texture with new data
// Update GPU texture rectangle with new data
       bool IslextureValid(Texture2D texture);
void UnloadTexture(Texture2D texture);
bool IsRenderTextureValid(RenderTexture2D target);
void UnloadRenderTexture(RenderTexture2D target);
void UpdateTexture(Texture2D texture, const void *pixels);
void UpdateTexture(Texture2D texture, Rectangle rec, const void *pixels);
       // Texture configuration functions
void GenTextureMipmaps(Texture2D *texture);
void SetTextureFilter(Texture2D texture, int filter);
void SetTextureWrap(Texture2D texture, int wrap);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                // Generate GPU mipmaps for a texture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                // Set texture scaling filter mode
// Set texture wrapping mode
       // Texture drawing functions

void DrawTexture(Texture2D texture, int posX, int posY, Color tint);

// Draw a Texture2D

void DrawTexture(Texture2D texture, Vector2 position, Color tint);

void DrawTextureEx(Texture2D texture, Vector2 position, float rotation, float scale, Color tint);

// Draw a Texture2D with position defined as Vector2

void DrawTextureEx(Texture2D texture, Rectangle source, Vector2 position, Color tint);

void DrawTexturePro(Texture2D texture, Rectangle source, Rectangle dest, Vector2 origin, float rotation, Color tint);

// Draw a part of a texture defined by a rectangle with 'pro'

void DrawTextureNPatch(Texture2D texture, NPatchInfo nPatchInfo, Rectangle dest, Vector2 origin, float rotation, Color tint);

// Draws a texture (or part of it) that stretches or
         // Color/pixel related functions
bool ColorIsEqual(Color col1, Color col2);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             // Check it two colors are equal
// Get color with alpha applied, alpha goes from 0.0f to 1.0f
// Get hexadecimal value for a Color (OxRRGGBBAA)
// Get Color normalized as float [0..1]
// Get Color from normalized values [0..1]
       Color Fade (Color color, float alpha);
int ColorToInt (Color color);
Vector4 ColorNormalize (Color color);
         Color ColorFromNormalized(Vector4 normalized);
```

```
Vector3 ColorToRSV(Color color);

Color ColorFromHSV(float hue, float saturation, float value);

Color ColorFromHSV(float hue, float saturation, float value);

Color ColorFromHSV (color color, Color tint);

Color ColorFromHSV (color color, float factor);

Color ColorColorFromHSV (color color, float factor);

Color ColorColorAlpha (Color color, float contrast);

Color ColorAlpha (Color color, float alpha);

Color ColorAlphaBlend(Color dst, Color src, Color tint);

Color ColorLepp(Color color), Color color2, float factor);

Color GetColor(unsigned int hexValue);

Color GetFixelColor(void *srcPtr, int format);

void SetPixelColor(void *stePtr, Color color, int format);

int GetPixelDataSize(int width, int height, int format);

// Get a Color from HSV values for a Color, he (0..360], saturation/value [0..1]

// Get a Color from HSV values, hue [0..360], saturation/value [0..1]

// Get color multiplied with another color

// Get color with brightness correction, brightness factor goes from -1.0f to 1.0f

// Get color with alpha applied, alpha goes from 0.0f to 1.0f

// Get color with alpha applied, alpha goes from 0.0f to 1.0f

// Get color with tint form to story interpolation between two colors, factor [0.0f.1.0f]

// Get Color structure from hexadecimal value

// Get Color structure from hexadecimal value

// Get Color from a source pixel pointer of certain format

// Set color from a source pixel pointer of certain format

// Get pixel data size in bytes for certain format
```

module: rtext

```
// Font loading/unloading functions
Font GetFontDefault(void);
Font LoadFont(const char *fileName);
Font LoadFontEx(const char *fileName, int fontSize, int *codepoints, int codepointCount);
// Load font from file into GPU memory (VRAM)
Font LoadFontEx(const char *fileName, int fontSize, int *codepoints, int codepointCount);
// Load font from file with extended parameters, use NULL for codepoints and 0 for codepo
Font LoadFontFromImage(Image image, Color key, int firstChar);
// Load font from Image (XNA style)
Font LoadFontFromMemory(const char *fileType, const unsigned char *fileData, int dataSize, int fontSize, int *codepoints, int codepointCount);
// Check if a font is valid (font data loaded, WARNING: GPU texture not checked)
GlyphInfo *LoadFontData(const unsigned char *fileData, int dataSize, int fontSize, int *codepoints, int codepointCount, int type);
// Load font data loaded, WARNING: GPU texture not checked)
GlyphInfo *LoadFontData(const unsigned char *fileData, int dataSize, int fontSize, int *codepoints, int codepointCount, int type);
// Load font data loaded, WARNING: GPU texture not checked)
GlyphInfo *LoadFontData(const unsigned char *fileData, int dataSize, int fontSize, int *codepoints, int type);
// Load font data loaded, WARNING: GPU texture not checked)
GlyphInfo *LoadFontData(GlyphInfo *glyphs, sectangle **glyphRecs, int glyphCount, int fontSize, int padding, int packMethod);
// Unload font chars info data (RAM)
void UnloadFontData(GlyphInfo *glyphs, int glyphCount);
// Unload font from GPU memory (VRAM)
bool ExportFontAsCode(Font font, const char *fileName);
// Export font as code file, returns true on success
  // Draw current FPS
void DrawText(const char *text, int posX, int posY, int fontSize, Color color); // Draw current FPS
void DrawText(const char *text, int posX, int posY, int fontSize, Color color); // Draw text (using default font)
void DrawTextEx(Font font, const char *text, Vector2 position, float fontSize, float spacing, Color tint); // Draw text using font and additional parameters
void DrawTextPro(Font font, const char *text, Vector2 position, Vector2 origin, float rotation, float fontSize, float spacing, Color tint); // Draw text using Font and pro paramet
void DrawTextCodepoint(Font font, int codepoint, Vector2 position, float fontSize, Color tint); // Draw one character (codepoint)
void DrawTextCodepoints(Font font, const int *codepoints, int codepointCount, Vector2 position, float fontSize, float spacing, Color tint); // Draw multiple character (codepoint)
  // Text Font Into Functions
void SetTextLineSpacing(int spacing);
int MeasureText(const char *text, int fontSize);
Vector2 MeasureTextEx(Font font, const char *text, float fontSize, float spacing);
int GetGlyphIndex(Font font, int codepoint);
GlyphInfo GetGlyphInfo(Font font, int codepoint);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                // Set vertical line spacing when drawing with line-breaks
// Measure string width for default font
// Measure string size for Font
// Get glyph index position in font for a codepoint (unicode character), fallback to '?' if n
// Get glyph font info data for a codepoint (unicode character), fallback to '?' if not found
// Get glyph rectangle in font atlas for a codepoint (unicode character), fallback to '?' if
                      tangle GetGlyphAtlasRec(Font font, int codepoint);
     // Text codepoints management functions (unicode characters)
char *LoadUTF8(const int *codepoints, int length);
void UnloadUTF8(char *text);
                                                                                                                                                                                                                                                                                                                                                                                              // Load UTF-8 text encoded from codepoints array
// Unload UTF-8 text encoded from codepoints array
// Load all codepoints from a UTF-8 text string, codepoints count returned by parameter
// Unload codepoints data from memory
// Get total number of codepoints in a UTF-8 encoded string
// Get next codepoint in a UTF-8 encoded string, 0x3f('?') is returned on failure
// Get next codepoint in a UTF-8 encoded string, 0x3f('?') is returned on failure
// Get previous codepoint in a UTF-8 encoded string, 0x3f('?') is returned on failure
// Encode one codepoint into UTF-8 byte array (array length returned as parameter)
  void UnloadUTF8(char *text);
int *LoadCodepoints(const char *text, int *count);
void UnloadCodepoints(int *codepoints);
int GetCodepointCount(const char *text);
int GetCodepoint(const char *text, int *codepointSize);
int GetCodepointNext(const char *text, int *codepointSize);
int GetCodepointPrevious(const char *text, int *codepointSize);
const char *CodepointToUTF8(int codepoint, int *utf8Size);
// Text strings management functions (no UTF-8 strings, only byte chars)
// NOTE: Some strings allocate memory internally for returned strings, just be careful!
int TextCopy(char *dst, const char *src);
bool TextIsEqual(const char *text1, const char *text2);
unsigned int TextLength(const char *text);
const char *TextFormat(const char *text),
const char *TextFormat(const char *text, ...);
const char *TextReplace(const char *text, const char *replace, const char *by);
char *TextReplace(const char *text, const char *insert, int position);
const char *TextSolit(const char *textList, int count, const char *delimiter);
// const char *TextSolit(const char *text, char delimiter, int *count);
void TextAppend(char *text, const char *append, int *position);
int TextFindIndex(const char *text);
const char *TextToLower(const char *text);
// Get upper case versio
const char *TextToLower(const char *text);
// Get Pascal case notat
const char *TextToRascal(const char *text);
// Get Snake case notat
const char *TextToSamel(const char *text);
// Get Camel case notati
const char *TextToCamel(const char *text);
// Get Camel case notati
                                                                                                                                                                                                                                                                                                                                                                            yet class, just be careful!

// Copy one string to another, returns bytes copied

// Check if two text string are equal

// Get text length, checks for '\0' ending

// Text formatting with variables (sprintf() style)

ngth); // Get a piece of a text string

char *by); // Replace text string (WARNING: memory must be freed!)

ition); // Insert text in a position (WARNING: memory must be fraar *delimiter); // Join text strings with delimiter

count); // Split text into multiple strings

// Append text at specific position and move cursor!

// Find first text occurrence within a string

// Get upper case version of provided string

// Get lower case version of provided string

// Get Snake case notation version of provided string

// Get Camel case notation version of provided string

// Get Camel case notation version of provided string
     const char *TextToCamel(const char *text);
     int TextToInteger(const char *text);
                                                                                                                                                                                                                                                                                                                                                                                   // Get integer value from text (negative values not supported)
     float TextToFloat(const char *text);
```

module: rmodels :

```
void DrawContain_SUPECTOS_position, Color color;

void DrawContain_SUPECTOS_position, Float radius, Vector3 val, Color color);

void DrawContain_SUPECTOS_position, Float radius, Vector3 val, Color color);

void DrawContain_SUPECTOS_position, Vector3 val, Color color);

void DrawContain_SUPECTOS_position, Vector3 size, Color color);

void DrawContain_SUPECTOS_position, Float validus, float length, Color color);

void DrawContain_SUPECTOS_position, Vector3 size, Color color);

void DrawContain_SUPECTOS_position, Vector3 size, Color color);

void DrawContain_SUPECTOS_position, Float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_conterPos, float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, float endRadius, int slices, Color color);

void DrawContain_SUPECTOS_position, float radius, int rings, float endRadius, int slices, Color color);

void DrawContain_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_position_SUPECTOS_posi
```

```
void Decadoschin (Noosa nooda). Vectoral speciation, Vectoral position, Metal containabile, Final rotationshiple, Vectoral specialism, or void Decadoschinism, Vectoral specialism, (Final scale), Color Link); // Decadoschinism, (Final scale), Color Link); // De
```

module: raudio

```
void InitAudioDevice(void);
                                                                                                                                                                                                    // Close the audio device and context
// Check if audio device has been initialized successfully
// Set master volume (listener)
  void CloseAudioDevice (void);
bool IsAudioDeviceReady(void);
void SetMasterVolume(float volume);
  float GetMasterVolume(void);
// wave/sound toadfing/uniteding functions
// Load wave data from file
Wave LoadWave(const char *fileName); // Load wave data from file
Wave LoadWaveFromMemory(const char *fileType, const unsigned char *fileData, int dataSize); // Load wave from memory buffer, fileType refers to extension: i.e. '.wav'
bool IsWaveValid(Wave wave); // Checks if wave data is valid (data loaded and parameters)
Sound LoadSound(const char *fileName); // Load sound from file
Sound LoadSoundFromWave(Wave wave); // Load sound from wave data
 Sound LoadSoundAlias(Sound source); // Create a new sound that shares the same sample data as the source sound, does not own the sound data bool IsSoundValid(Sound sound); // Checks if a sound is valid (data loaded and buffers initialized) void UpdateSound(Sound sound, const void *data, int sampleCount); // Update sound buffer with new data
  void UnloadWave(Wave wave);
void UnloadSound(Sound sound);
                                                                                                                                                                                                          Unload wave data
void UnloadSoundAlias(Sound alias);
bool ExportWave(Wave wave, const char *fileName);
bool ExportWaveAsCode(Wave wave, const char *fileName);
                                                                                                                                                                                                 // Unload a sound alias (does not deallocate sample data)
// Export wave data to file, returns true on success
// Export wave sample data to code (.h), returns true on success
  void PlaySound (Sound sound);
void StopSound (Sound sound);
void PauseSound (Sound sound);
                                                                                                                                                                                                   // Play a sound
// Stop playing a sound
// Pause a sound
void PauseSound(Sound sound);
void ResumeSound(Sound sound);
// Resume a paused sound
// Check if a sound is currently playing
void SetSoundPlaying(Sound sound, float volume);
// Set volume for a sound (1.0 is max level)
void SetSoundPan(Sound sound, float pan);
// Set pan for a sound (1.0 is base level)
// Set pan for a sound (0.5 is center)
// Copy a wave to a new wave
void WaveCrop(Wave *wave, int initFrame, int finalFrame);
// Crop a wave to defined frames range
void WaveFormat(Mave *wave, int sampleRate, int sampleSize, int channels);
// Convert wave data to desired format
float *LoadWaveSamples(Wave wave);
// Load samples data from wave as a 32bit float data array
void UnloadWaveSamples(float *samples);
// Unload samples data loaded with LoadWaveSamples()
// Music management functions
Music LoadMusicStream(const char *fileName); // Load music stream from file
Music LoadMusicStream(const char *fileType, const unsigned char *data, int dataSize); // Load music stream from data
bool IsMusicValid(Music music); // Checks if a music stream is valid (context and buffers initialized)
void UnloadMusicStream(Music music); // Unload music stream
                                                                                                                                                                                             // Unload music stream
// Start music playing
// Check if music is playing
// Updates buffers for music streaming
// Stop music playing
// Resume playing paused music
// Seek music to a position (in seconds)
// Set volume for music (1.0 is max level)
// Set pitch for a music (1.0 is base level)
// Set pan for a music (0.5 is center)
// Get music time length (in seconds)
// Get current music time played (in seconds)
 void PlayMusicStream (Music music);

void PlayMusicStream (Music music);

bool IsMusicStreamPlaying (Music music);

void UpdateMusicStream (Music music);

void StopMusicStream (Music music);

void PauseMusicStream (Music music);
 void PauseMusicStream (Music music);
void ResumeMusicStream (Music music);
void SeekMusicStream (Music music, float position);
void SeekMusicVolume (Music music, float volume);
void SetMusicPitch (Music music, float pitch);
void SetMusicPan (Music music, float pan);
float GetMusicTimeLength (Music music);
float GetMusicTimePlayed (Music music);
  // AudioStream management functions
AudioStream LoadAudioStream(unsigned int sampleRate, unsigned int sampleSize, unsigned int channels); // Load audio stream (to stream raw audio pcm data)
 bool IsAudioStreamValid(AudioStream stream);
                                                                                                                                                                                                             Checks if an audio stream is valid (buffers initialized)
```

```
structs
```

```
// Vector2, 2 components
// Vector3, 3 components
struct Vector2;
struct Vector3;
struct Vector4;
                                                // Vector4. 4 components
                                                // Watrix, 4x4 components, column major, OpenGL style, right handed 
// Color, 4 components, R8G8B8A8 (32bit) 
// Rectangle, 4 components
struct Matrix;
struct Color;
struct Rectangle;
struct Image;
                                                // Image, pixel data stored in CPU memory (RAM)
                                                // Image, pixel data stored in GPU memory (RAM)
// Texture, tex data stored in GPU memory (VRAM)
// RenderTexture, fbo for texture rendering
// NPatchInfo, n-patch layout info
// GlyphInfo, font characters glyphs info
// Font, font texture and GlyphInfo array data
struct Texture;
struct RenderTexture;
struct NPatchInfo;
struct GlyphInfo;
struct Font;
                                                // Camera2D, defines position/orientation in 2d space
// Camera, defines position/orientation in 3d space
struct Camera3D;
struct Shader;
struct MaterialMap;
                                                // MaterialMap
                                                // Material, includes shader and maps
// Mesh, vertex data and vao/vbo
struct Material;
struct Mesh;
struct Model;
struct ModelAnimation;
                                                 // Model, meshes, materials and animation data
                                                 // ModelAnimation
                                                // Transform, vertex transformation data
// Bone, skeletal animation bone
struct Transform:
                                                // Ray, ray for raycasting
// RayCollision, ray hit information
// BoundingBox
struct Ray;
struct RayCollision;
struct BoundingBox;
struct Wave;
struct AudioStream;
                                                // Wave, audio wave data
// AudioStream, custom audio stream
struct Sound:
                                                // Music, audio stream, anything longer than ~10 seconds should be streamed
                                                // VrDeviceInfo, Head-Mounted-Display device parameters // VrStereoConfig, VR stereo rendering configuration for simulator
struct VrDeviceInfo;
struct VrStereoConfig;
struct FilePathList;
                                                 // File path list
                                                // Automation event
// Automation event list
struct AutomationEvent;
struct AutomationEventList;
```

colors

```
// Custom raylib color palette for amazing visuals on WHITE back #define LIGHTGRAY (Color) { 200, 200, 200, 255 } // Light Gray #define GRAY (Color) { 130, 130, 130, 255 } // Gray
                                                                                                        // Gray
// Dark Gray
// Yellow
                                      (Color) { 130, 130, 130, 255 }
(Color) { 80, 80, 80, 255 }
(Color) { 253, 249, 0, 255 }
(Color) { 255, 203, 0, 255 }
(Color) { 255, 161, 0, 255 }
(Color) { 255, 109, 194, 255 }
#define DARKGRAY
#define YELLOW
#define GOLD
                                                                                                        // Gold
#define ORANGE
                                                                                                        // Orange
#define PINK
                                                                                                        // Pink
                                      (Color) { 230, 41, 55, 255 }
(Color) { 230, 41, 55, 255 }
(Color) { 190, 33, 55, 255 }
(Color) { 0, 228, 48, 255 }
(Color) { 0, 158, 47, 255 }
(Color) { 0, 117, 44, 255 }
#define RED
#define MAROON
                                                                                                        // Red
                                                                                                        // Maroon
#define GREEN
                                                                                                        // Green
#define LIME
                                                                                                        // Lime
#define DARKGREEN
                                                                                                        // Dark Green
                                      (Color) { 0, 121, 241, 255 }
(Color) { 0, 121, 241, 255 }
(Color) { 0, 82, 172, 255 }
                                                                                                        // Sky Blue
// Blue
// Dark Blue
#define SKYBLUE
#define BLUE
#define DARKBLUE
#define PURPLE
#define VIOLET
                                      (Color) { 200, 122, 255, 255 }
(Color) { 135, 60, 190, 255 }
                                                                                                        // Purple
                                                                                                        // Violet
#define DARKPURPLE (Color) { 112, 31, 126, 255 } #define BEIGE (Color) { 211, 176, 131, 255 } #define BROWN (Color) { 127, 106, 79, 255 }
                                                                                                        // Dark Purpl
// Beige
// Brown
#define DARKBROWN
                                      (Color) { 76, 63, 47, 255 }
                                                                                                        // Dark Brown
#define WHITE
                                      (Color) { 255, 255, 255, 255 }
                                                                                                        // White
#define BLACK
#define BLANK
                                      (Color) { 0, 0, 0, 255 }
(Color) { 0, 0, 0, 0 }
                                                                                                        // Black
// Blank (Tra
#define MAGENTA
#define RAYWHITE
                                      (Color) { 255, 0, 255, 255 }
(Color) { 245, 245, 245, 255 }
                                                                                                        // Magenta
// My own Whi
```

Other cheatsheets

• <u>raymath cheatsheet</u>

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