pause()

stop() LEGEND setVolume(vol) color: Color(n.g.b.a=255) setPan(val) vec: Vector3 / Vector4 setCursor(val) mat: Matrix loop(state) tex: Material / RTT / texture handle isLoopin9() rtt: Render Target isPlayin9O texHandle: texture handle 9etVolume() eyelatium: Vector3 9etPan() key: "a" or KEY_SPACE etc. 9etCursor() su.tv: UV coordinates (floats) MATH nx.ny.nz: normal 01.02.03: Ventex Color(r.9.b.a=255) ColorLinear(r.9.b.a=1.0) **EVENTS** str2vec(text) LimitO vec2str(vec) _shutdown() MATRIX _update(dt) MatrixO _renderO translate(x.y.z) _render2DO rotate(x,y,z) scale(x,9,z) BASE inverse() ShowMessage(caption, text) shadow(planeVec.li9htVec) LogString(text) reflect(planeVec) ExitGame() lookAt(eye.at.up) RestartGame() m(row.col) IsDebu9Mode() row(index) SetFPS(fps) col(index) dofile(scriptName) bind(kind) loadfile(fileName) VECTOR 9etTime() Vector3(x,y,z) Vector4(x,9,z,w) AUDIO cross(vec) 9et() SOUND colorO Sound(wavPath) pla90 ma90

ma9590

draw(mat)

drawSubset(index.mat)

lerp(b,t) 9etMeshes() ne90 9etLi9hts() normalize() 9etFlattenNodes() m(index.val) 9etTar9ets() x0,90,z0,w0 findMesh(name) findLi9ht(name) RENDERER findTar9et(name) ClearScene(color) 9etRootNode() CameraPerspective(fov.near.far.flipLH) NODE CameraOrthographic(w.h.near.fart.flipLH) Node() BindTexture(tex) cloneO GetResolution() 9etName() GetMatrix(kind) setName(name) 9etTransform() IsFocusedO setTransform(mat) RenderState(kind.state) To99leWireframe(state) 9etFinalTransform() SetFog(color.kind.start.end) addNode(node) SetFog(color.kind.density) addMesh(mesh) ClearFo9() draw(mat) SamplerState(stage.kind.state) drawSubset(index, mat) EnableLi9htin9(state) 9etMeshes() AmbientColor(color) getMeshParts() ClearTar9et() 9etLi9hts() DrawBox(mat.dims.color) 9etTar9ets() DrawQuad(x1.x2.91.92.color.flipY) 9etNodes() DrawQuad3D(x1,x2,91,92,z1,z2,color) findMesh(name) DrawPoly9on(v1.v2.v3) findLi9ht(name) CullMode(mode) findTar9et(name) FillScreen(color,flipY) findNode(name) RegisterFontFile(path) getMeta(name) SCENE

|Scene(modelName.loadMaterials=true.optimizeMesh=false)|

loadModel(modelName.loadMaterials=true.optimizeMesh=false)

<u>loadScene(modelName.loadMaterials=true.optimizeMesh=false)</u>

MESH

Mesh()
addFGroup(part)
addPart(part)
draw(mat)

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cloneO	setEmission(color)
9etFGroups()	setPower(val)
9etParts()	setOpacity(val)
clearO	alphaIsTransparency(state)
setName(name)	setShaded(state)
9etName()	VERTEX
setMaterial(sta9e.tex)	Vertex(x.y.z.su.tv.color.nx.ny.nz)
9etMaterial(sta9e)	get()
ART / FACEGROUP	FONT
FaceGroup()	Font(fontFamily.size.boldness.italic)
cloneO	drawText(color.text.x.9.w=0.h=0)
addVertex(vert)	RENDER TARGET
addIndex(index)	RenderTar9et()
addTrian9le(a.b.c)	RenderTar9et(w.h)
setMaterial(sta9e.mat)	RenderTar9et(w.h.hasDepth=false)
9etMaterial(sta9e)	9etHandle()
9etMaterialSta9e()	bindO
draw(mat)	EFFECT
buildO	Effect(effectPath)
calcNormalsO	begin(technique)
clearO	endO.flushO
9etVertices()	be9inPass(pass)
9etIndices()	endPassO
1ATERIAL	commit()
Material()	setBool(name,val)
Material(textureName)	setFloat(name,val)
Material(w.h)	setMatrix(name.mat)
setSamplerState(sampler.state)	setVector3(name,vec)
9etSamplerState(sampler)	setVector4(name,vec)
loadFile(textureName)	setInte9er(name.val)
res()	setTexture(name,texHandle)
dataO	setTexture(name.slot.mat)
9etHandle(slot)	setTexture(name,rtt)
setHandle(slot.texHandle)	LIGHT
setDiffuse(color)	Li9ht(slot)
setAmbient(color)	enable(state,slot)
setSpecular(color)	

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setPosition(vec) setDirection(vec) setDiffuse(color) setSpecular(color) setAmbient(color) setRange(val) setFalloff(val) setAttenuation(a.b.c) setInnerAngle(val) setOuterAngle(val) setType(kind) setSlot(slot) 9etType() getSlot()

TNPIIT

GetKey(key) GetKeyDown(key) GetKeyUp(key) GetMouseXY() GetMouseDelta() SetMouseXY(x,9) GetMouse(button) GetMouseDown(button) GetMouseUp(button) IsCursorVisible() ShowCursor(state) GetCursorMode() SetCursorMode(mode) ShowCursor(state)

GLOBALS

RENDERER

PRIMITIVEKIND_POINTLIST PRIMITIVEKIND_LINELIST PRIMITIVEKIND_LINESTRIP PRIMITIVEKIND_TRIANGLELIST

PRIMITIVEKIND_TRIANGLESTRIP PRIMITIVEKIND_TRIANGLEFAN

MATRIXKIND_VIEW MATRIXKIND_PROJECTION MATRIXKIND_TEXTURE0 MATRIXKIND_TEXTURE1 MATRIXKIND_TEXTURE2 MATRIXKIND_TEXTURE3 MATRIXKIND_TEXTURE4 MATRIXKIND_TEXTURE5 MATRIXKIND_TEXTURE6 MATRIXKIND_TEXTURE7 MATRIXKIND_WORLD

CLEARFLAG_COLOR CLEARFLAG_DEPTH CLEARFLAG_STENCIL CLEARFLAG_STANDARD

TEXTURESLOT_ALBEDO TEXTURESLOT_SPECULAR TEXTURESLOT_NORMAL TEXTURESLOT_DISPLACE TEXTURESLOT_USER_END MAX_TEXTURE_SLOTS

FOGKIND_NONE FOGKIND_EXP FOGKIND_EXP2 FOGKIND_LINEAR

WORLD VIEW PROJ

CULLKIND_NONE



CULLKIND_CW

LIGHTKIND_DIRECTIONAL LIGHTKIND_POINT LIGHTKIND_SPOT

RENDERSTATE_ZENABLE
RENDERSTATE_FILLMODE
RENDERSTATE_SHADEMODE
RENDERSTATE_ZWRITEENABLE
RENDERSTATE_ALPHATESTENABLE

RENDERSTATE_LASTPIXEL
RENDERSTATE_SRCBLEND
RENDERSTATE_DESTBLEND
RENDERSTATE_CULLMODE
RENDERSTATE_ZFUNC

RENDERSTATE_ALPHAREF
RENDERSTATE_ALPHAFUNC
RENDERSTATE_DITHERENABLE

RENDERSTATE_ALPHABLENDENABLE

RENDERSTATE_FOGENABLE

RENDERSTATE_SPECULARENABLE

RENDERSTATE_FOGCOLOR

RENDERSTATE_FOGTABLEMODE

RENDERSTATE_FOGSTART
RENDERSTATE_FOGEND

RENDERSTATE_FOGDENSITY

RENDERSTATE_RANGEFOGENABLE

RENDERSTATE_STENCILENABLE

RENDERSTATE_STENCILFAIL

RENDERSTATE_STENCILZFAIL

RENDERSTATE_STENCILPASS

RENDERSTATE_STENCILFUNC

RENDERSTATE_STENCILREF
RENDERSTATE_STENCILMASK

RENDERSTATE_STENCILWRITEMASK

RENDERSTATE_TEXTUREFACTOR

RENDERSTATE_WRAP0
RENDERSTATE_WRAP1
RENDERSTATE_WRAP2
RENDERSTATE_WRAP3
RENDERSTATE_WRAP4
RENDERSTATE_WRAP5
RENDERSTATE_WRAP6
RENDERSTATE_WRAP7

RENDERSTATE_CLIPPING RENDERSTATE_LIGHTING RENDERSTATE_AMBIENT

RENDERSTATE_FOGVERTEXMODE RENDERSTATE_COLORVERTEX RENDERSTATE_LOCALVIEWER

RENDERSTATE_NORMALIZENORMALS

RENDERSTATE_DIFFUSEMATERIALSOURCE
RENDERSTATE_SPECULARMATERIALSOURCE
RENDERSTATE_AMBIENTMATERIALSOURCE
RENDERSTATE_EMISSIVEMATERIALSOURCE

RENDERSTATE_VERTEXBLEND

RENDERSTATE_CLIPPLANEENABLE

RENDERSTATE_POINTSIZE

RENDERSTATE_POINTSIZE_MIN

RENDERSTATE_POINTSPRITEENABLE RENDERSTATE_POINTSCALEENABLE

RENDERSTATE_POINTSCALE_A RENDERSTATE_POINTSCALE_B RENDERSTATE_POINTSCALE_C

RENDERSTATE_MULTISAMPLEANTIALIAS

RENDERSTATE_MULTISAMPLEMASK RENDERSTATE_PATCHEDGESTYLE RENDERSTATE_DEBUGMONITORTOKEN

RENDERSTATE_POINTSIZE_MAX

RENDERSTATE_INDEXEDVERTEXBLENDENABLE

RENDERSTATE_COLORWRITEENABLE

RENDERSTATE_TWEENFACTOR

RENDERSTATE_BLENDOP

RENDERSTATE_NORMALDEGREE

RENDERSTATE_SCISSORTESTENABLE

RENDERSTATE_SLOPESCALEDEPTHBIAS

RENDERSTATE_ANTIALIASEDLINEENABLE

RENDERSTATE_MINTESSELLATIONLEVEL

RENDERSTATE_MAXTESSELLATIONLEVEL

RENDERSTATE_ADAPTIVETESS_X

RENDERSTATE_ADAPTIVETESS_Y

RENDERSTATE_ADAPTIVETESS_Z

RENDERSTATE_ADAPTIVETESS_W

RENDERSTATE_ENABLEADAPTIVETESSELLATION

RENDERSTATE_TWOSIDEDSTENCILMODE

RENDERSTATE_CCW_STENCILFAIL

RENDERSTATE_CCW_STENCILZFAIL

RENDERSTATE_CCW_STENCILPASS

RENDERSTATE_CCW_STENCILFUNC

RENDERSTATE_COLORWRITEENABLE1

RENDERSTATE_COLORWRITEENABLE2

RENDERSTATE_COLORWRITEENABLE3

RENDERSTATE_BLENDFACTOR

RENDERSTATE_SRGBWRITEENABLE

RENDERSTATE_DEPTHBIAS

RENDERSTATE_WRAP8

RENDERSTATE_WRAP9

RENDERSTATE_WRAP10

RENDERSTATE_WRAP11

RENDERSTATE_WRAP12

RENDERSTATE_WRAP13

RENDERSTATE_WRAP14

RENDERSTATE_WRAP15

RENDERSTATE_SEPARATEALPHABLENDENABLE

RENDERSTATE_SRCBLENDALPHA

RENDERSTATE_DESTBLENDALPHA

RENDERSTATE_BLENDOPALPHA

SAMPLERSTATE_ADDRESSV

SAMPLERSTATE_ADDRESSW

SAMPLERSTATE_BORDERCOLOR

SAMPLERSTATE_MAGFILTER

SAMPLERSTATE_MINFILTER

SAMPLERSTATE_MIPFILTER

SAMPLERSTATE_MIPMAPLODBIAS

SAMPLERSTATE_MAXMIPLEVEL

SAMPLERSTATE_MAXANISOTROPY

SAMPLERSTATE_SRGBTEXTURE

SAMPLERSTATE_ELEMENTINDEX

SAMPLERSTATE_DMAPOFFSET

TEXF_NONE

TEXF_POINT

TEXF_LINEAR

TEXF_ANISOTROPIC

TEXF_PYRAMIDALQUAD

TEXF_GAUSSIANQUAD

TEXA_WRAP

TEXA_MIRROR

TEXA_CLAMP

TEXA_BORDER

TEXALMIRRORONCE

INPUT

MOUSE_LEFT_BUTTON

MOUSE_MIDDLE_BUTTON

MOUSE_RIGHT_BUTTON

MOUSE_WHEEL_UP

MOUSE_WHEEL_DOWN

CURSORMODE_DEFAULT

CURSORMODE_CENTERED

CURSORMODE_WRAPPED

KEY_LBUTTON

VELL BOUTTON	VELLEVECUTE
KEY_RBUTTON KEY_CANCEL	KEY_EXECUTE KEY_SNAPSHOT
KEY_MBUTTON	KEYLINSERT
KEY_XBUTTON1	KEY_DELETE
KEY_XBUTTON2	KEY_HELP
KEYLABOTTOMZ KEYLBACK	KEY_LWIN
KEY_TAB	KEY_RWIN
KEY_CLEAR	KEY_APPS
KEYLRETURN	KEY_SLEEP
KEYLSHIFT	KEY_NUMPAD0
KEY_CONTROL	KEY_NUMPAD1
KEYLMENU	KEY_NUMPAD2
KEY_PAUSE	KEY_NUMPAD3
KEY_CAPITAL	KEY_NUMPAD4
KEY_KANA	KEY_NUMPAD5
KEY_HANGEUL	KEY_NUMPAD6
KEY_HANGUL	KEY_NUMPAD7
KEY_JUNJA	KEY_NUMPAD8
KEYLFINAL	KEY_NUMPAD9
KEY_HANJA	KEY_MULTIPLY
KEY_KANJI	KEY_ADD
KEYLESCAPE	KEY_SEPARATOR
KEY_CONVERT	KEY_SUBTRACT
KEY_NONCONVERT	KEYLDECIMAL
KEYLACCEPT	KEY_DIVIDE
KEY_MODECHANGE	KEY_F1
KEY_SPACE	KEY_F2
KEY_PRIOR	KEYLF3
KEY_NEXT	KEY_F4
KEYLEND	KEY_F5
KEY_HOME	KEY_F6
KEY_LEFT	KEY_F7
KEY_UP	KEY_F8
KEY_RIGHT	KEY_F9
KEYLDOWN	KEY_F10
KEY_SELECT	KEY_F11
KEY_PRINT	KEY_F12

KEY_F13	KEY_BROWSER_STOP
KEY_F14	KEY_BROWSER_SEARCH
KEY_F15	KEY_BROWSER_FAVORITES
KEY_F16	KEY_BROWSER_HOME
KEY_F17	KEY_VOLUME_MUTE
KEY_F18	KEY_VOLUME_DOWN
KEY_F19	KEY_VOLUME_UP
KEY_F20	KEY_MEDIA_NEXT_TRACK
KEY_F21	KEY_MEDIA_PREV_TRACK
KEY_F22	KEY_MEDIA_STOP
KEY_F23	KEY_MEDIA_PLAY_PAUSE
KEY_F24	KEY_LAUNCH_MAIL
KEY_NAVIGATION_VIEW	KEY_LAUNCH_MEDIA_SELECT
KEY_NAVIGATION_MENU	KEY_LAUNCH_APP1
KEY_NAVIGATION_UP	KEY_LAUNCH_APP2
KEY_NAVIGATION_DOWN	KEY_OEM_1
KEY_NAVIGATION_LEFT	KEY_OEM_PLUS
KEY_NAVIGATION_RIGHT	KEY_OEM_COMMA
KEY_NAVIGATION_ACCEPT	KEY_OEM_MINUS
KEY_NAVIGATION_CANCEL	KEY_OEM_PERIOD
KEYLNUMLOCK	KEY_OEM_2
KEY_SCROLL	KEYLOEML3
KEY_OEM_NEC_EQUAL	KEY_GAMEPAD_A
KEY_OEM_FJ_JISHO	KEY_GAMEPAD_B
KEY_OEM_FJ_MASSHOU	KEY_GAMEPAD_X
KEY_OEM_FJ_TOUROKU	KEY_GAMEPAD_Y
KEY_OEM_FJ_LOYA	KEY_GAMEPAD_RIGHT_SHOULDER
KEY_OEM_FJ_ROYA	KEY_GAMEPAD_LEFT_SHOULDER
KEY_LSHIFT	KEY_GAMEPAD_LEFT_TRIGGER
KEY_RSHIFT	KEY_GAMEPAD_RIGHT_TRIGGER
KEY_LCONTROL	KEY_GAMEPAD_DPAD_UP
KEY_RCONTROL	KEY_GAMEPAD_DPAD_DOWN
KEY_LMENU	KEY_GAMEPAD_DPAD_LEFT
KEY_RMENU	KEY_GAMEPAD_DPAD_RIGHT
KEY_BROWSER_BACK	KEY_GAMEPAD_MENU
KEY_BROWSER_FORWARD	KEY_GAMEPAD_VIEW
KEY_BROWSER_REFRESH	KEY_GAMEPAD_LEFT_THUMBSTICK_BUTTON



KEY_GAMEPAD_RIGHT_THUMBSTICK_BUTTON

KEY_GAMEPAD_LEFT_THUMBSTICK_UP

KEY_GAMEPAD_LEFT_THUMBSTICK_DOWN

KEY_GAMEPAD_LEFT_THUMBSTICK_RIGHT

KEY_GAMEPAD_LEFT_THUMBSTICK_LEFT

KEY_GAMEPAD_RIGHT_THUMBSTICK_UP

KEY_GAMEPAD_RIGHT_THUMBSTICK_DOWN

KEY_GAMEPAD_RIGHT_THUMBSTICK_RIGHT

KEY_GAMEPAD_RIGHT_THUMBSTICK_LEFT

KEY_OEM_4

KEYLOEML5

KEY_OEM_6

KEYLOEML7

KEY_OEM_8

KEY_OEM_AX

KEYLOEM_102

KEY_ICO_HELP

KEY_ICO_00

KEY_PROCESSKEY

KEY_ICO_CLEAR

KEY_PACKET

KEY_OEM_RESET

KEY_OEM_JUMP

KEYLOEM_PA1

KEYLOEMLPA2

KEY_OEM_PA3

KEY_OEM_WSCTRL

KEY_OEM_CUSEL

KEY_OEM_ATTN

KEY_OEM_FINISH

KEYLOEMLCOPY

KEY_OEM_AUTO

KEY_OEM_ENLW

KEY_OEM_BACKTAB

KEY_ATTN

KEY_CRSEL

KEYLEXSEL

KEY_EREOF

KEY_PLAY

KEY_ZOOM

KEY_NONAME

KEY_PA1

KEY_OEM_CLEAR