ofGetDimen ofGetScale ofGetFrameNum ofGetFrameRate ofGetTargetFrameRate ofGetElapsedTime ofGetLastFrameTime	<ul> <li>get the dimensions of the current window</li> <li>get the scale of the current window</li> <li>get the number of frames rendered</li> <li>get the actual frame rate of the current window</li> <li>get the target frame rate of the current window</li> <li>get the elapsed time in milliseconds</li> <li>get the last frame time in milliseconds</li> </ul>
ofGetOrienLock ofGetOrien ofGetFullscreen ofGetFocus	<ul> <li>get the last frame time in milliseconds</li> <li>get the orientation lock state of the current window</li> <li>get the orientation of the current window</li> <li>get the fullscreen state of the current window</li> <li>get the focus state of the current window</li> <li>get the x position of the current window</li> </ul>
ofGetPosX ofGetPosY ofGetPos ofGetScreenWidth ofGetScreenHeight ofGetScreenDimen	- get the y position of the current window - get the position of the current window - get the width of the current device's screen - get the height of the current device's screen - get the dimensions of the current device's screen
ofGetRetina ofGetBgColorR ofGetBgColorG ofGetBgColorB ofGetBgColor	- get the retina scale of the current device's screen - get the r value of the background color - get the g value of the background color - get the b value of the background color - get the background color of the current window
ofGetWindow ofGetFirstRenderOrder ofGetLastRenderOrder ofTouchListener ofMouseListener	- get the background cotor of the current window  - check if a window exists  - get the first rendering order  - get the last rendering order  - listen to the touch events  - listen to the mouse events  - listen to the mouse scroll events
ofScrollListener ofKeyListener ofAccelListener ofScaleListener ofOrienListener	
ofFullscreenListener ofFocusListener ofPosListener ofWindowListener ofWindowLoadBang ofWindowCloseBang	<ul> <li>listen to the focus state of the current window</li> <li>listen to the updated position of the current window</li> <li>listen to the creation/destruction of the current window</li> <li>listen to the creation of the current window</li> <li>listen to the destruction of the current window</li> </ul>
ofBackListener GRAPHI ofHead ofTranslate	- listen to the back button press on android devices  CS  - the start of a rendering chain  - move along the coordinate system  - rotate around the x-axis of the coordinate system
ofRotateX ofRotateY ofRotateZ ofRotateXYZ ofRotate ofScale ofPushMatrix	<ul> <li>rotate around the y-axis of the coordinate system</li> <li>rotate around the z-axis of the coordinate system</li> <li>rotate around the xyz-axis of the coordinate system</li> <li>produce a rotation of angle around the vector</li> <li>scale along the coordinate system</li> </ul>
ofPushMatrix ofPopMatrix ofSetColor ofSetBgColor ofSetRectMode ofSetTextMode	<ul> <li>push the current matrix</li> <li>pop the current matrix</li> <li>set the draw color</li> <li>set the background color</li> <li>set the align mode for drawing rectangular objects</li> <li>set the align mode for drawing texts</li> </ul>
ofSetFillMode ofSetPolyMode ofSetBlendMode ofSetLineWidth ofSetLineSmoothing	<ul> <li>set the fill mode for drawing shaped objects</li> <li>set the poly winding mode for drawing</li> <li>set the blend mode for drawing</li> <li>set the width of the lined objects</li> <li>enable/disable the smoothing for lines</li> </ul>
ofSetCircleRes ofSetCurveRes ofPushStyle ofPopStyle ofSepMatrix	<ul><li>set the resolution for circular objects</li><li>set the resolution for curved objects</li><li>push the current style</li><li>pop the current style</li><li>separate render chains in matrix</li></ul>
ofSepStyle ofSeparator ofViewport ofSetDepthTest ofSetArbTex	- separate render chains in style - separate render chains in matrix and style - setup the drawing viewport - enable/disable the depth test - enable/disable the use of ARB textures - enable/disable the anti-aliasing for lines
ofSetAntiAliasing ofSetBgAuto ofClear ofClearColor ofClearDepth ofClearAlpha	<ul> <li>enable/disable the anti-aliasing for lines</li> <li>enable/disable the auto background clearing function</li> <li>clear the color and depth bits of current renderer</li> <li>clear the color bits of current renderer</li> <li>clear the depth bits of current renderer</li> <li>clear the alpha channel of current renderer</li> </ul>
ofBeginShape ofEndShape ofNextContour ofVertex2d	<ul> <li>start drawing a new shape</li> <li>finish drawing the shape and draw it to the screen</li> <li>draw multiple contours within one shape</li> <li>specify a single 2d point of a shape</li> </ul>
ofVertex3d ofCurveVertex2d ofCurveVertex3d ofBezierVertex2d ofBezierVertex3d	<ul> <li>specify a single 3d point of a shape</li> <li>specify a single 2d point of a shape</li> <li>specify a single 3d point of a shape</li> <li>describe a bezier curve through three points of a shape</li> <li>describe a bezier curve through three points of a shape</li> <li>draw a circle</li> </ul>
ofEllipse ofArc ofSector ofLine2d ofLine3d	<ul><li>draw an ellipse</li><li>draw an arc</li><li>draw a sector</li><li>draw a 2d line</li><li>draw a 3d line</li></ul>
ofCurve2d ofCurve3d ofBezier2d ofBezier3d ofQuadBezier2d	<ul><li>draw a 2d curve</li><li>draw a 3d curve</li><li>draw a 2d bezier curve</li><li>draw a 3d bezier curve</li><li>draw a 2d quadratic bezier curve</li></ul>
ofQuadBezier3d ofTriangle2d ofTriangle3d ofEqTriangle ofIsoTriangle	<ul> <li>draw a 3d quadratic bezier curve</li> <li>draw a 2d triangle</li> <li>draw a 3d triangle</li> <li>draw an equilateral triangle</li> <li>draw an isosceles triangle</li> </ul>
ofQuad2d ofQuad3d ofSquare ofRectangle ofRectRounded ofRectRounded4	<ul> <li>draw a 2d quadrilateral</li> <li>draw a 3d quadrilateral</li> <li>draw a square</li> <li>draw a rectangle</li> <li>draw a rounded rectangle with a given corner radius</li> <li>draw a rounded rectangle with a given 4 corner radiuses</li> </ul>
ofRectRounded4  ofCross  ofHeart  ofMoon  ofRegPolygon  ofStar	<ul> <li>draw a rounded rectangle with a given 4 corner radiuses</li> <li>draw a cross</li> <li>draw a heart</li> <li>draw a moon</li> <li>draw a regular polygon</li> <li>draw a star</li> </ul>
ofAxis ofBox ofCone ofCylinder	- draw a star  - draw axes  - draw a box  - draw a cone  - draw a cylinder  - draw an icosphere
ofIcosphere ofPlane ofSphere ofArrow ofGrid ofGridPlane	<ul><li>draw an icosphere</li><li>draw a plane</li><li>draw a sphere</li><li>draw an arrow</li><li>draw grid planes</li><li>draw a yz grid plane</li></ul>
ofGridPlane ofRotationAxes ofLoadPolyline2d ofLoadPolyline3d ofDrawPolyline2d ofDrawPolyline3d	<ul> <li>draw a yz grid plane</li> <li>draw a set of 3-axis aligned circular bands</li> <li>store an array of polyline2d commands</li> <li>store an array of polyline3d commands</li> <li>draw the stored polyline2d</li> <li>draw the stored polyline3d</li> </ul>
ofDoesPolyline2dNameExist ofDoesPolyline3dNameExist ofEditPolyline2dPoint ofEditPolyline3dPoint ofGetPolyline2dPoint	- check the existence of a polyline2d variable name - check the existence of a polyline3d variable name - edit the stored polyline2d point - edit the stored polyline3d point - get a polyline2d point at the given index
ofGetPolyline3dPoint ofGetPolyline2dPoints ofGetPolyline3dPoints ofIsPointInsidePolyline2d ofIsPointInsidePolyline3d	<ul> <li>get a polyline3d point at the given index</li> <li>get all polyline2d points as a list</li> <li>get all polyline3d points as a list</li> <li>check if a 2d point is within a closed polyline2d</li> <li>check if a 2d point is within a closed polyline3d</li> </ul>
ofGetPolyline2dCommand ofGetPolyline3dCommand ofGetPolyline2dCommands ofGetPolyline3dCommands	<ul> <li>get a polyline2d command at the given index</li> <li>get a polyline3d command at the given index</li> <li>get all polyline2d commands as a list</li> <li>get all polyline3d commands as a list</li> <li>get the dimensions of the polyline2d bounding box</li> </ul>
ofGetPolyline3dBoundingBox ofGetPolyline2dCentroid ofGetPolyline3dCentroid ofGetPolyline2dArea ofGetPolyline3dArea	<ul> <li>get the dimensions of the polyline3d bounding box</li> <li>get the center position of the polyline2d area</li> <li>get the center position of the polyline3d area</li> <li>get the precise area of the polyline2d</li> <li>get the precise area of the polyline3d</li> </ul>
ofGetPolyline2dPerimeter ofGetPolyline3dPerimeter ofLoadPath2d ofLoadPath3d ofDrawPath2d ofDrawPath3d	<ul> <li>get the size of the perimeter of the polyline2d</li> <li>get the size of the perimeter of the polyline3d</li> <li>store an array of path2d commands</li> <li>store an array of path3d commands</li> <li>draw the stored path2d</li> <li>draw the stored path3d</li> </ul>
ofDrawPath3d ofDoesPath2dNameExist ofDoesPath3dNameExist ofGetPath2dPoint ofGetPath3dPoint ofGetPath2dPoints	<ul> <li>draw the stored path3d</li> <li>check the existence of a path2d variable name</li> <li>check the existence of a path3d variable name</li> <li>get a path2d point at the given index</li> <li>get a path3d point at the given index</li> <li>get all path2d points as a list</li> </ul>
ofGetPath2dPoints ofGetPath3dPoints ofIsPointInsidePath2d ofIsPointInsidePath3d ofGetPath2dCommand ofGetPath3dCommand	<ul> <li>get all path2d points as a list</li> <li>get all path3d points as a list</li> <li>check if a 2d point is within a closed path2d</li> <li>check if a 2d point is within a closed path3d</li> <li>get a path2d command at the given index</li> <li>get a path3d command at the given index</li> </ul>
ofGetPath2dCommands ofGetPath3dCommands ofGetPath2dTessellation ofGetPath3dTessellation ofGetPath2dBoundingBox	<ul> <li>get all path2d commands as a list</li> <li>get all path3d commands as a list</li> <li>get the tessellation data to convert path2d to mesh2d</li> <li>get the tessellation data to convert path3d to mesh3d</li> <li>get the dimensions of the path2d bounding box</li> </ul>
ofGetPath3dBoundingBox ofGetPath2dCentroid ofGetPath3dCentroid ofGetPath2dArea ofGetPath3dArea	<ul> <li>get the dimensions of the path3d bounding box</li> <li>get the center position of the path2d area</li> <li>get the center position of the path3d area</li> <li>get the precise area of the path2d</li> <li>get the precise area of the path3d</li> </ul>
ofGetPath2dPerimeter ofGetPath3dPerimeter ofCreateFbo ofBindFboTex ofDrawFbo	<ul> <li>get the size of the perimeter of the path2d</li> <li>get the size of the perimeter of the path3d</li> <li>create framebuffer object</li> <li>bind the stored fbo's texture</li> <li>draw the stored fbo</li> </ul>
ofDoesFboNameExist ofIsFboAllocated ofGetFboDimen ofGetFboType ofCreateImage	<ul> <li>check the existence of a fbo variable name</li> <li>check if the fbo is allocated or not</li> <li>get the dimensions of the fbo</li> <li>get the type of the fbo</li> <li>create an image</li> </ul>
ofLoadImage ofEditImage ofSaveImage ofBindImageTex ofDrawImage ofDrawSubImage	- store an array of images - edit the stored image - save image to disk - bind the stored image's texture - draw the stored image - draw a subsection of the image
ofDrawSubImage ofDoesImageNameExist ofGetImagePath ofIsImageAllocated ofGetImageDimen ofGetImageType	<ul> <li>draw a subsection of the image</li> <li>check the existence of an image variable name</li> <li>get the absolute path of the image</li> <li>check if the image is allocated or not</li> <li>get the dimensions of the image</li> <li>get the type of the image</li> </ul>
ofGetImageColorAt ofGetImageTexCoord ofGetImageTexCoords ofLoadFont	<ul> <li>get the type of the image</li> <li>get the color of a pixel at the specified x, y index</li> <li>get the texture coordinate of the image from 2d vertex</li> <li>get the texture coordinates of the image from 2d vertices</li> <li>store an array of fonts</li> <li>edit the stored font</li> </ul>
ofEditFont ofBindFontTex ofDrawText ofDrawTextAsShapes ofDoesFontNameExist ofGetFontPath	<ul> <li>edit the stored font</li> <li>bind the stored font's texture</li> <li>draw a text using the stored font</li> <li>draw a text as shapes using the stored font</li> <li>check the existence of a font variable name</li> <li>get the absolute path of the font</li> </ul>
ofGetFontSize ofIsFontLoaded ofGetTextBoundingBox ofGetFontLetterSpacing ofGetFontLineHeight	<ul> <li>get the absolute path of the font</li> <li>get the size of the font</li> <li>check if the font is loaded or not</li> <li>get the dimensions of the text bounding box</li> <li>get the letter spacing of the font</li> <li>get the line height of the font</li> </ul>
ofGetFontSpaceSize ofGetTextMesh2dCommands ofGetTextMesh3dCommands ofLoadMesh2d ofLoadMesh3d	- get the space size of the font - get the mesh2d data based on the font and text - get the mesh3d data based on the font and text - store a set of arrays for a 2d mesh - store a set of arrays for a 3d mesh
ofDrawMesh2d ofDrawMesh3d ofDoesMesh2dNameExist ofDoesMesh3dNameExist ofEditMesh2dVertex	- draw the stored mesh2d - draw the stored mesh3d - check the existence of a mesh2d variable name - check the existence of a mesh3d variable name - edit the stored mesh2d vertex
ofEditMesh3dVertex ofEditMesh2dIndex ofEditMesh3dIndex ofEditMesh2dNormal ofEditMesh3dNormal	<ul> <li>edit the stored mesh3d vertex</li> <li>edit the stored mesh2d index</li> <li>edit the stored mesh3d index</li> <li>edit the stored mesh2d normal</li> <li>edit the stored mesh3d normal</li> </ul>
ofEditMesh2dTexCoord ofEditMesh3dTexCoord ofEditMesh2dColor ofEditMesh3dColor ofGetMesh2dVertex ofGetMesh3dVertex	<ul> <li>edit the stored mesh2d texture coordinate</li> <li>edit the stored mesh3d texture coordinate</li> <li>edit the stored mesh2d color</li> <li>edit the stored mesh3d color</li> <li>get the mesh2d vertex at the given index</li> <li>get the mesh3d vertex at the given index</li> </ul>
ofGetMesh3dVertex ofGetMesh2dIndex ofGetMesh3dIndex ofGetMesh2dNormal ofGetMesh3dNormal ofGetMesh2dTexCoord	<ul> <li>get the mesh3d vertex at the given index</li> <li>get the mesh2d index at the given index</li> <li>get the mesh3d index at the given index</li> <li>get the mesh2d normal at the given index</li> <li>get the mesh3d normal at the given index</li> <li>get the mesh2d texture coordinate at the given index</li> </ul>
ofGetMesh3dTexCoord ofGetMesh2dColor ofGetMesh3dColor ofGetMesh2dVertices ofGetMesh3dVertices	- get the mesh3d texture coordinate at the given index - get the mesh2d color at the given index - get the mesh3d color at the given index - get all mesh2d vertices as a list - get all mesh3d vertices as a list
ofGetMesh2dIndices ofGetMesh3dIndices ofGetMesh2dNormals ofGetMesh3dNormals	- get all mesh2d indices as a list - get all mesh3d indices as a list - get all mesh2d normals as a list - get all mesh3d normals as a list - get all mesh2d texture coordinates as a list
ofGetMesh3dTexCoords ofGetMesh2dColors ofGetMesh3dColors ofGetMesh2dCommands ofGetMesh3dCommands	<ul> <li>get all mesh3d texture coordinates as a list</li> <li>get all mesh2d colors as a list</li> <li>get all mesh3d colors as a list</li> <li>get all mesh2d commands as a list</li> <li>get all mesh3d commands as a list</li> <li>get the dimensions of the mesh2d bounding box</li> </ul>
ofGetMesh2dBoundingBox ofGetMesh3dBoundingBox ofGetMesh2dCentroid ofGetMesh3dCentroid ofEasyCam ofCamera	<ul> <li>get the dimensions of the mesh2d bounding box</li> <li>get the dimensions of the mesh3d bounding box</li> <li>get the centroid of all the vetices in the mesh2d</li> <li>get the centroid of all the vetices in the mesh3d</li> <li>a simple camera for interacting with objects in 3d space</li> <li>a basic camera for interacting with objects in 3d space</li> </ul>
ofPointLight ofSpotlight ofDirectionalLight ofMaterial	<ul> <li>a light that spreads outward evenly in all directions</li> <li>a light that spreads outward in a cone</li> <li>a light that comes evenly from a given direction</li> <li>set the material of the object</li> </ul>
ofLoadFloat ofEditFloat ofDoesFloatNameExist ofGetFloat	<ul><li>store an array of floats</li><li>edit the stored float</li><li>check the existence of a float variable name</li><li>get a float element at the given index</li></ul>
ofGetFloats ofGetFloatAverage ofLoadVec2f ofEditVec2f ofDoesVec2fNameExist	<ul> <li>get all float elements as a list</li> <li>get the average value of float elements</li> <li>store an array of two dimensional vectors</li> <li>edit the stored vec2f</li> <li>check the existence of a vec2f variable name</li> </ul>
ofGetVec2f ofGetVec2fs ofGetVec2fAverage ofGetVec2fAngle ofGetVec2fAngleRad	<ul> <li>get a vec2f element at the given index</li> <li>get all vec2f elements as a list</li> <li>get the average value of vec2f elements</li> <li>get the angle in degrees between two vec2fs</li> <li>get the angle in radians between two vec2fs</li> </ul>
ofGetVec2fDist ofGetVec2fDistSquared ofGetVec2fDot ofGetVec2fLength ofGetVec2fLengthSquared	- get the distance between two vec2fs - get the squared distance between two vec2fs - get the dot product of two vec2fs - get the length of the vec2f element - get the squared length of the vec2f element
ofLoadVec3f ofEditVec3f ofDoesVec3fNameExist ofGetVec3f ofGetVec3fs	<ul> <li>store an array of three dimensional vectors</li> <li>edit the stored vec3f</li> <li>check the existence of a vec3f variable name</li> <li>get a vec3f element at the given index</li> <li>get all vec3f elements as a list</li> </ul>
ofGetVec3fAverage ofGetVec3fAngle ofGetVec3fAngleRad ofGetVec3fDist ofGetVec3fDistSquared ofGetVec3fDot	- get the average value of vec3f elements - get the angle in degrees between two vec3fs - get the angle in radians between two vec3fs - get the distance between two vec3fs - get the squared distance between two vec3fs - get the dot product of two vec3fs
ofGetVec3fDot ofGetVec3fLength ofGetVec3fLengthSquared ofLoadVec4f ofEditVec4f ofDoesVec4fNameExist	<ul> <li>get the dot product of two vec3fs</li> <li>get the length of the vec3f element</li> <li>get the squared length of the vec3f element</li> <li>store an array of four dimensional vectors</li> <li>edit the stored vec4f</li> <li>check the existence of a vec4f variable name</li> </ul>
ofDoesVec4fNameExist ofGetVec4f ofGetVec4fs ofGetVec4fAverage ofGetVec4fDist ofGetVec4fDistSquared	<ul> <li>check the existence of a vec4f variable name</li> <li>get a vec4f element at the given index</li> <li>get all vec4f elements as a list</li> <li>get the average value of vec4f elements</li> <li>get the distance between two vec4fs</li> <li>get the squared distance between two vec4fs</li> </ul>
ofGetVec4fDistSquared ofGetVec4fDot ofGetVec4fLength ofGetVec4fLengthSquared ofLoadColor ofEditColor	<ul> <li>get the squared distance between two vec4fs</li> <li>get the dot product of two vec4fs</li> <li>get the length of the vec4f element</li> <li>get the squared length of the vec4f element</li> <li>store an array of colors</li> <li>edit the stored color</li> </ul>
ofEditColor ofDoesColorNameExist ofGetColor ofGetColors ofLoadSymbol ofEditSymbol	<ul> <li>edit the stored color</li> <li>check the existence of a color variable name</li> <li>get a color element at the given index</li> <li>get all color elements as a list</li> <li>store an array of symbols</li> <li>edit the stored symbol</li> </ul>
ofDoesSymbolNameExist ofGetSymbol ofGetSymbolsMATH	<ul> <li>check the existence of a symbol variable name</li> <li>get a symbol element at the given index</li> <li>get all symbol elements as a list</li> </ul>
ofAngleDifferenceDegrees ofAngleDifferenceRadians ofDegToRad ofRadToDeg ofDist2d ofDist3d	<ul> <li>calculate the difference between two angles in degrees</li> <li>calculate the difference between two angles in radians</li> <li>convert degrees to radians</li> <li>convert radians to degrees</li> <li>calculate the 2d distance between two points</li> <li>calculate the 3d distance between two points</li> </ul>
ofDist3d ofDistSquared2d ofDistSquared3d ofInRange ofClamp ofNormalize	<ul> <li>calculate the 3d distance between two points</li> <li>calculate the squared 2d distance between two points</li> <li>calculate the squared 3d distance between two points</li> <li>determine if a number is inside of a given range</li> <li>clamp a value between min and max</li> <li>map the input value to be within 0 and 1</li> </ul>
ofNormalize ofLerp ofLerpDegrees ofLerpRadians ofRandom	<ul> <li>map the input value to be within 0 and 1</li> <li>linearly interpolate a value within a range</li> <li>linearly interpolate a value between two angles in degrees</li> <li>linearly interpolate a value between two angles in radians</li> <li>get a random number within a given range</li> <li>get a random floating point number between -1 and 1</li> </ul>
ofRandomuf ofSeedRandom ofWrap ofWrapDegrees	<ul> <li>get a random floating point number between -1 and 1</li> <li>get a random floating point number between 0 and 1</li> <li>seed the random number generator with a unique value</li> <li>wrap a value if it overflows a given range</li> <li>wrap a value within the angle in degrees</li> <li>wrap a value within the angle in radians</li> </ul>
ofWrapRadians ofMap ofNextPow2 ofNoise ofSignedNoise ofSign	<ul> <li>wrap a value within the angle in radians</li> <li>map the value to a new value</li> <li>calculate the next larger power of 2</li> <li>calculate a simplex noise value between 0 and 1</li> <li>calculate a simplex noise value between -1 and 1</li> <li>get the sign of a value</li> </ul>
ofAppend ofPrepend ofPack	<ul><li>append a symbol to an incoming message</li><li>prepend a symbol to an incoming message</li><li>combine several atoms into one message</li></ul>
ofListFind ofFindList ofListInsert ofInsertList ofListFill	<ul> <li>get indices of sublists found in a list</li> <li>get indices of sublists found in a list</li> <li>insert a list into a list</li> <li>insert a list into a list</li> <li>fill a list with element</li> </ul>
ofFillList ofListReplace ofReplaceList ofListRemove ofRemoveList	<ul> <li>fill a list with element</li> <li>replace sublists in a list</li> <li>remove sublists in a list</li> <li>remove sublists in a list</li> <li>remove sublists in a list</li> </ul>
ofListErase ofEraseList ofListSort ofListUnique ofListReverse	<ul> <li>remove a range of elements from a list</li> <li>remove a range of elements from a list</li> <li>sort a list in ascending or descending order</li> <li>remove duplicates from a list</li> <li>reverse the order of a list</li> </ul>
ofListShuffle ofListToSymbol ofSymbolToList ofHexToHsb ofHexToRgb	<ul> <li>randomly change the order of a list</li> <li>convert a list into a symbol</li> <li>convert a symbol into a list</li> <li>convert hex color values to hsb color values</li> <li>convert hex color values to rgb color values</li> <li>convert hsb color values to hex color values</li> </ul>
ofHsbToHex ofHsbToRgb ofRgbToHex ofRgbToHsb ofValue	- convert hsb color values to hex color values - convert hsb color values to rgb color values - convert rgb color values to hex color values - convert rgb color values to hsb color values - nonlocal shared value
ofSend ofReceive ofExpr ofDefine ofPatch	<ul> <li>send messages without patch cords</li> <li>receive messages without patch cords</li> <li>expression evaluation object</li> <li>open/close pd patches</li> <li>get the unique name of the canvas</li> </ul>
ofGetCanvasName ofGetDollarZero ofGetDollarArgs ofError ofFile ofSaveURL	<ul> <li>get the unique name of the canvas</li> <li>get the \$0 value of the patch</li> <li>get the arguments of the patch</li> <li>print an error to the pd console</li> <li>create/remove/rename/copy/move files</li> <li>save a file from a url</li> </ul>
ofSaveURL ofDoesFileExist ofGetDirectoryFileNames ofGetDirectoryFilePaths ofDirectory ofGetPatchDirectory	<ul> <li>save a file from a url</li> <li>check the existence of a file</li> <li>get the list of file names in a directory</li> <li>get the list of file paths in a directory</li> <li>create/remove/rename/copy/move directories</li> <li>get the directory of the patch</li> </ul>
ofGetPatchDirectory ofGetHomeDirectory ofGetDocumentsDirectory ofGetLibraryDirectory ofGetTemporaryDirectory ofDoesDirectoryExist	<ul> <li>get the directory of the patch</li> <li>get the user home directory on desktop platforms</li> <li>get the documents directory on ios devices</li> <li>get the library directory on ios devices</li> <li>get the temporary directory on ios devices</li> <li>check the existence of a directory</li> </ul>
ofDoesDirectoryExist ofGetAudioDevices ofSetAudioDevices ofGetMidiDevices	<ul> <li>get a list of all available input/output audio devices</li> <li>set input/output audio device, sample rate and block size</li> <li>get a list of all available input/output midi devices</li> <li>set input/output midi device</li> <li>count over a range</li> </ul>
ofGetMidiDevices ofSetMidiDevices ofCount	- count over a range at once
ofSetMidiDevices ofCount ofCountUntil ofStep ofAnimate ofSwitch ofGate	<ul> <li>increase or decrease a value in steps</li> <li>smoothly change a value over time</li> <li>pass messages from a specific inlet</li> <li>route a message to an outlet</li> </ul>
ofSetMidiDevices	- smoothly change a value over time - pass messages from a specific inlet
ofSetMidiDevices ofCount ofCountUntil ofStep ofAnimate ofSwitch ofGate ofGetMinFloat ofGetPlatform ofGetDate ofGetTime  ofSine~ ofSine~ ofSaw~	- smoothly change a value over time  - pass messages from a specific inlet  - route a message to an outlet  - get the lowest possible float  - get the highest possible float  - get the OS platform being used  - get the day/month/year  - get the time in seconds/minutes/hours  - sine wave oscillator  - triangle wave oscillator  - sawtooth wave oscillator
ofSetMidiDevices  ofCount  ofCountUntil  ofStep  ofAnimate  ofSwitch  ofGate  ofGetMaxFloat  ofGetPlatform  ofGetDate  ofGetTime  ofTriangle~  ofSquare~  ofBlTriangle~  ofBlSquare~	- smoothly change a value over time - pass messages from a specific inlet - route a message to an outlet - get the lowest possible float - get the highest possible float - get the OS platform being used - get the day/month/year - get the time in seconds/minutes/hours  - sine wave oscillator - triangle wave oscillator - square wave oscillator - pulse wave oscillator - bandlimited triangle wave oscillator - bandlimited sawtooth wave oscillator - bandlimited square wave oscillator
ofSetMidiDevices ofCount ofCountUntil ofStep ofAnimate ofSwitch ofGate ofGetMinFloat ofGetPlatform ofGetDate ofGetTime	- smoothly change a value over time  - pass messages from a specific inlet  - route a message to an outlet  - get the lowest possible float  - get the highest possible float  - get the OS platform being used  - get the day/month/year  - get the time in seconds/minutes/hours  - sine wave oscillator  - triangle wave oscillator  - sawtooth wave oscillator  - pulse wave oscillator  - bandlimited triangle wave oscillator  - bandlimited sawtooth wave oscillator