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3. Commands

3.1. AutoCAD 2020

3.1.1 New and changed commands

BLOCKSPALETTE	Opens the palette of blocks.
BLOCKSPALETTECLOSE	Closes the palette of blocks.
CLASSICINSERT	Opens the classic Insert dialog box.
INSERT	Starts the BLOCKSPALETTE command except in scripts that open the older INSERT command for script compatibility.
-INSERT	Starts the command line version of the classic INSERT command.
Cleanup	Opens the newly designed Cleanup dialog box.
COMPARISON	Closes the comparison toolbar and ends the comparison.
COMPAREEXPORT	Exports the comparison results to a new drawing called a snapshot drawing and opens the drawing.
COMPAREIMPORT	Imports objects from the comparison file into the current drawing. Only the selected objects that are present in the comparison file and not in the current file are imported.
MEASUREGEOM	Adds the Quick option for real-time measurements.
AMDIMARRANGE	Now supports the arrangement of multiple horizontal and vertical dimensions.
TEXTLAYER	Defines a default layer for new text and multiline text objects in the current drawing.

3.1.2 New system variables

BLOCKMRULIST	Controls the number of blocks displayed on the Recent tab of the block palette.
BLOCKNAVIGATE	Controls the file and blocks displayed on the Other Drawing tab of the Block Palette. Effective the next time the program is started.
BLOCKREDEFINEMODE	Controls whether the Block - Redefine Block task dialog box appears when a block from the block palette with the same name as a block is inserted within the current drawing.
BLOCKSTATE	Reports whether the block palette is open or closed.

3.2 AutoCAD 2019

3.2.1 New and modified commands

Compare	Compare the differences between two revisions of the same drawing or different drawings and highlight them.
-compare	The command window is used to compare and highlight the differences between two revisions of the same drawing or different drawings.
COMPARISONINFO	Pastes or copies the property information of the two compared drawing files.
sharedviews	Opens the Shared Views palette.
sharedviewsclose	Closes the Shared Views palette.

3.2.2 New System Variables

COMPARECOLOR1	Defines the color of the objects that are only present in the first drawing in the file of the comparison result drawing.
COMPARECOLOR2	Defines the color of objects that are only present in the second drawing in the file of the comparison result drawing.
COMPARECOLORCOMMON	Determines the color of the objects that are identical in the two compared drawings.
COMPAREFRONT	Defines the default display order of overlapping objects in the comparison results drawing.
COMPAREHATCH	Determines whether hatch objects are included in the drawing comparison.
COMPAREPROPS	Determines whether a change in a non-geometric (display) property is recognized as a change between two drawing revisions.
COMPARERCMARGIN	Specifies the offset distance of the boundary frame of a revision cloud that marks the object differences in a comparison result drawing.
COMPARERCSHAPE	Determines whether nearby individual changes are merged as a single large rectangle or multiple small rectangles in the comparison results drawing.
COMPARESHOW1	Displays the objects that only exist in the first drawing.
COMPARESHOW2	Displays the objects that only exist in the second drawing.
COMPARESHOWCOMMON	Displays the objects that match in both drawings being compared.
COMPARESHOWRC	Displays a revision cloud over the difference in the comparison result drawing.
COMPARETEXT	Determines whether text objects are included in the drawing comparison.
COMPARETOLERANCE	Specifies the tolerance used when comparing two drawing files. Objects are considered identical if they are less than or equal to a certain decimal value.
FILLETPOLYARC	Determines the rounding behavior of polylines with arcs, either current or obsolete. Only affects the Polyline option of the ROUND command.
MVIEWPREVIEW	Controls the preview behavior when inserting a named or new layout viewport.
SECUREREMOTEACCESS	Determines whether files can be accessed from the Internet or from remote servers.
SHAREVIEWPROPERTIES	Determines whether drawing properties are considered for shared views.
SHAREVIEWTYPE	Determines whether a shared view is created from the current view, model space, layout, or the entire drawing.
STUDENTDRAWING	Indicates whether the current drawing was saved with the student version of an Autodesk product.

3.3. AutoCAD 2018

3.3.1 New and changed commands

NEUANS	Saves a new named view from the display in the current viewport or by defining a rectangular window.

3.3.2 New System Variables

LAYEROVERRIDEHIGHLIGHT	Activates or deactivates the visibility of the background color marker for layers with overrides.
THUMBSIZE2D	Controls whether the thumbnails of drawings with 2D visual wireframe styles are set to a screen resolution of 256 x 256 pixels.
VISRETAINMODE	Controls the behavior of the VISRETAIN system variable, which is set to 1.
XREFLAYER	Specifies a default layer for a new XRef.
PDFSHX	Converts the SHX geometry imported from PDF files into individual multiline text objects.
MILLISECS	Stores the number of milliseconds elapsed since the system was started.
PDFSHXBESTFONT	When converting imported PDF geometry to text, checks whether the PDFSHXTEXT command selects the font with the best match or the first font that exceeds the recognition threshold.
REFPATHTYPE	Controls whether the referenced files use complete, relative, or no paths when first mapped to the file of a parent drawing.
SELECTIONOFFSCREEN	Controls the selection of objects outside the screen.

3.4. AutoCAD 2017

3.4.1 New and changed commands

AMLGISO	Hides or locks all layergroups except those of the selected objects.
AMLGUNISO	Recovers all layergroups hidden or locked with the AMLGISO command.
AMMOTOR2D	Inserts a motor from a standard parts library.
AMRECTBWH	Creates a rectangle by selecting the center of the base as the starting point and specifying the full base and height.
AMRECTBWH2	Creates a rectangle using the center of the base as the starting point and specifying half the base and full height.
AMRECTCW2H	Creates a rectangle using the center of the rectangle as the starting point and specifying half the base and full height.
AMRECTCW2H2	Creates a rectangle using the center of the rectangle as the starting point and specifying half the base and half the height.
AMRECTCWH	Creates a rectangle using the center of the rectangle as the starting point and specifying the whole base and height.
AMRECTCWH2	Creates a rectangle using the center of the rectangle as the starting point and specifying the full base and half the height.
ARMRECTLWH	Creates a rectangle using the center of the height as the starting point and specifying the full base and height.
AMRECTLWH2	Creates a rectangle by selecting the center of the height as the starting point and specifying the full base and half the height.
AMRECTQBT	Creates a square using the base center as the starting point and specifying the full base.
AMRECTQBY	Creates a square using the center of the base as the starting point and specifying half of the base.
AMRECTQCR	Creates a square using the center of the square as the starting point and specifying half the base.

AMRECTQCW	Creates a square using the center of the square as the starting point and specifying the length of the base.
AMRECTQLR	Creates a square using the center of the height and specifying the full base.
AMRECTQLY	Creates a square using the center of the height as the starting point and specifying half the base.
AMRECTQXY	Creates a square using a corner of the base as the starting point and specifying the full base.
AMRECTXWH	Creates a rectangle using a corner of the rectangle as the starting point and specifying the full base and height.

3.4.2 New system variables

AMLGCOLORMODE	Makes the layergroup color available for editing.
AMLGLTMODE	Makes the line type of the layer group available for editing.
AMLGLWMODE	Makes the Line Thickness property of the layergroup available for editing.
AMNOTETAB	Specifies whether the Annotation Icon dialog box or the context-sensitive ribbon tab of the Ribbon Command Line Comment is displayed when editing command line comments.