

System Variables Quick Guide for R12 – 2006

AutoCAD Systems Variables is where AutoCAD does most of its storing of temporary and some permanent values. These values are related to commands that are used in the AutoCAD Environment to values that control how the user interacts with the AutoCAD Environment. Some of these values are drawing parameters for such commands like Offset distance, Circle radius and the Units in which you use to draw with.

Related Commands

Setvar - Calls the System Variable command. Through the use of this command you can set a System Variables value or you can get a listing of all the current settings of all the System Variables.

Command: Setvar

Variable name or ?: ?

Variable(s) to list <*>: * or

AutoLISP Functions

(setvar *variable value*) - Sets the value of a System Variable


(getvar *variable*) - Gets the value of a System Variable


Notes:

Key

 - System Variable applies to release

 - System Variable applies and is new

 - System Variable applies and changed

 - System Variable doesn't apply to release

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
*_TOOLPALETTEPATH									
_LINFO									
_PKSER									
_SERVER									
_VERNUM									
ACADLSPASDOC									
ACADPREFIX									
ACADVER									
ACIS15									
ACISOUTVER									
ADCSTATE									
AFLAGS									
ANGBASE									
ANGDIR									
APBOX									
APERTURE									
AREA									
ASSISTSTATE									
ATTDIA									
ATTMODE									
ATTREQ									
AUDITCTL									
AUNITS									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
AUPREC									
AUTOSNAP									
AUXSTAT									
AXISMODE									
AXISUNIT									
BACKGROUNDPLOT									
BACKZ									
BACTIONCOLOR									
BDEPENDENCYHIGHLIGHT									
BGRIPOBJCOLOR									
BGRIPOBJSIZE									
BINDTYPE									
BLIPMODE									
BLOCKEDITLOCK									
BLOCKEDITOR									
BPARAMETERCOLOR									
BPARAMETERFONT									
BPARAMETERSIZE									
BTMARKDISPLAY									
BVMODE									
CALCINPUT									
CDATE									
CECOLOR									
CELTSCALE									
CELTYPE									
CELWEIGHT									
CENTERMT									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
CHAMFERA									
CHAMFERB									
CHAMFERC									
CHAMFERD									
CHAMMODE									
CIRCLERAD									
CLAYER									
CLEANSCREENSTATE									
CLISTATE									
CMDACTIVE									
CMDDIA									
CMDECHO									
CMDINPUTHISTORYMAX									
CMDNAMES									
CMLJUST									
CMLSCALE									
CMLSTYLE									
COMPASS									
COORDS									
CPLOTSTYLE									
CPROFILE									
CPUTICKS									
CROSSINGAREACOLOR									
CTAB									
CTABLESTYLE <i>Command Alias: CT</i>									
CURRENTPROFILE									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
CURSORSIZE									
CVPORT									
DATE									
DBCSTATE									
DBGLISTALL									
DBMOD									
DCTCUST									
DCTMAIN									
DEFLPLSTYLE									
DEFPLSTYLE									
DELOBJ									
DEMANDLOAD									
DIASAT									
DIMADEC									
DIMALT									
DIMALTD									
DIMALTF									
DIMALTRND									
DIMALTTD									
DIMALTTZ									
DIMALTU									
DIMALTZ									
DIMAPOST									
DIMASO									
DIMASSOC									
DIMASZ									
DIMATFIT									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
DIMAUNIT									
DIMAZIN									
DIMBLK									
DIMBLK1									
DIMBLK2									
DIMCEN									
DIMCLRD									
DIMCLRE									
DIMCLRT									
DIMDEC									
DIMDLE									
DIMDLI									
DIMDSEP									
DIMEXE									
DIMEXO									
DIMFIT									
DIMFRAC									
DIMGAP									
DIMJUST									
DIMLDRBLK									
DIMLFAC									
DIMLIM									
DIMLUNIT									
DIMLWD									
DIMLWE									
DIMPOST									
DIMRND									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
DIMSAH									
DIMSCALE									
DIMSD1									
DIMSD2									
DIMSE1									
DIMSE2									
DIMSHO									
DIMSOXD									
DIMSTYLE									
DIMTAD									
DIMTDEC									
DIMTFAC									
DIMTIH									
DIMTIX									
DIMTM									
DIMTMOVE									
DIMTOFL									
DIMTOH									
DIMTOL									
DIMTOLJ									
DIMTP									
DIMTSZ									
DIMTVP									
DIMTXSTY									
DIMTXT									
DIMTZIN									
DIMUNIT									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
DIMUPT									
DIMZIN									
DISPSILH									
DISTANCE									
DONUTID									
DONUTOD									
DRAGMODE									
DRAGP1									
DRAGP2									
DRAWORDERCTL									
DRSTATE									
DTEXTED									
DWGCHECK									
DWGCODEPAGE									
DWGNAME									
DWGPREFIX									
DWGTITLED									
DWGWRITE									
DYNDIGRIP									
DYNDIVIS									
DYNMODE									
DYNPICCOORDS									
DYNPIFORMAT									
DYNPIVIS									
DYNPROMPT									
DYNTOOLTIPS									
EDGEMODE									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
ELEVATION									
ENTERPRISEMENU									
ENEXTS									
ENTMODS									
ERRNO or *ERRNO									
EXPERT									
EXPLMODE									
EXTMAX									
EXTMIN									
EXTNAMES									
FACETRATIO									
FACETRES									
FFLIMIT									
FIELDDISPLAY									
FIELDEVAL									
FILEDIA									
FILLETRAD									
FILLMODE									
FLATLAND									
FONTALT									
FONTMAP									
FORCE_PAGING									
FRONTZ									
FULLOPEN									
FULLPLOTPATH									
GFANG									
GFCLR1									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
GFCLR2									
GFCLRLUM									
GFCLRSTATE									
GFNAME									
GFSHIFT									
GRIDMODE									
GRIDUNIT									
GRIPBLOCK									
GRIPCOLOR									
GRIPDYNCOLOR									
GRIPHOT									
GRIPHOVER									
GRIPOBJLIMIT									
GRIPS									
GRIPSIZE									
GRIPTIPS									
HALOGAP									
HANDLES									
HIDEPRECISION									
HIDETEXT									
HIGHLIGHT									
HPANG									
HPASSOC									
HPBOUND									
HPDOUBLE									
HPDRAWORDER									
HPGAPTOL									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
HPINHERIT									
HPNAME									
HPOBJWARNING									
HPORIGIN									
HPORIGINMODE									
HPSCALE									
HPSEPARATE									
HPSPACE									
HYPERLINKBASE									
IMAGEHLT									
INDEXCTL									
INETLOCATION									
INPUTHISTORYMODE									
INSBASE									
INSNAME									
INSUNITS									
INSUNITSDEFSOURCE									
INSUNITSDEFTARGET									
INTELLIGENTUPDATE									
INTERSECTIONCOLOR									
INTERSECTIONDISPLAY									
ISAVEBAK									
ISAVEPERCENT									
ISOLINES									
LASTANGLE									
LASTPOINT									
LASTPROMT									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
LAYERFILTERALERT									
LAYOUTREGENCTL									
LAZYLOAD									
LENSLENGTH									
LIMCHECK									
LIMMAX									
LIMMIN									
LISPINIT									
LOCALE									
LOCALROOTPREFIX									
LOCKUI									
LOGFILEMODE									
LOGFILENAME									
LOGFILEPATH									
LOGINNAME									
LONGFNAME									
LTSCALE <i>Command Alias: LTS</i>									
LUNITS									
LUPREC									
LWDEFAULT									
LWDISPLAY									
LWUNITS									
MACROTRACE									
MAXACTVP									
MAXOBJMEM									
MAXSORT									
MBUTTONPAN									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
MEASUREINIT									
MEASUREMENT									
MENUCTL									
MENUECHO									
MENUNAME									
MILLISECS									
MIRRTEXT									
MODEMACRO									
MSMSTATE									
MSOLESCALE									
MTEXTED									
MTEXTFIXED									
MTJIGSTRING									
MYDOCUMENTSPREFIX									
NFWSTATE									
NODENAME									
NOMUTT									
OBSCUREDColor									
OBSCUREDLTYPE									
OFFSETDIST									
OFFSETGAPTYPE									
OLEFRAME									
OLEHIDE									
OLEQUALITY									
OLESTARTUP									
OPMSTATE									
ORTHOMODE									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
OSMODE									
OSNAPCOORD									
OSNAPHATCH									
OSNAPNODELEGACY									
OSNAPOVERRIDE									
OSNAPZ									
PALETTEOPAQUE									
PAPERUPDATE									
PDMODE									
PDSIZE									
PEDITACCEPT									
PELLIPSE									
PERIMETER									
PFACEVMAX									
PHANDLE									
PICKADD									
PICKAUTO									
PICKBOX									
PICKDRAG									
PICKFIRST									
PICKSTYLE									
PLATFORM									
PLINEGEN									
PLINETYPE									
PLINEWID									
PLOTID									
PLOTOFFSET									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
PLOTROTMODE									
PLOTTER									
PLQUIET									
POLARADDANG									
POLARANG									
POLARDIST									
POLARMODE									
POLYSIDES									
POPUPS									
PREVIEWEFFECT									
PREVIEWFILTER									
PRODUCT									
PROGRAM									
PROJECTNAME									
PROJMODE									
PROXYGRAPHICS									
PROXYNOTICE									
PROXYSHOW									
PROXYWEBSEARCH									
PSLTSCALE									
PSPROLOG									
PSQUALITY									
PSTYLEMODE									
PSTYLEPOLICY									
PSVPSCALE									
PUCSBASE									
QAFLAGS									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
QAUCSLOCK									
QCSTATE									
QTEXTMODE									
QUEUEDREGENMAX									
RASTERDPI									
RASTERPREVIEW									
RE-INIT									
RECOVERYMODE									
REFEDITNAME									
REGENMODE									
REMEMBERFOLDERS									
REPORTERROR									
RIASPECT									
RIBACKG									
RIEDGE									
RIGAMUT									
RIGREY									
RITHRESH									
ROAMABLEROOTPREFIX									
RTDISPLAY									
SAVEFILE									
SAVEFILEPATH									
SAVEIMAGES									
SAVENAME									
SAVETIME									
SCREENBOXES									
SCREENMODE									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
SCREENSIZE									
SDI									
SELECTIONAREA									
SELECTIONAREAOPACITY									
SELECTIONPREVIEW									
SHADEDGE									
SHADEDIF									
SHORTCUTMENU									
SHOWLAYERUSAGE									
SHPNAME									
SIGWARN									
SKETCHINC									
SKPOLY									
SNAPANG									
SNAPBASE									
SNAPISOPAIR									
SNAPMODE									
SNAPSTYL									
SNAPTYPE									
SNAPUNIT									
SOLIDCHECK									
SORTENTS									
SPACESWITCH									
SPLFRAME									
SPLINESEGS									
SPLINETYPE									
SSFOUND									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
SSLOCATE									
SSMAUTOOPEN									
SSMPOLLTIME									
SSMSHEETSTATUS									
SSMSTATE									
STANDARDSVIOLATION									
STARTUP									
STARTUPTODAY									
SURFTAB1									
SURFTAB2									
SURFTYPE									
SURFU									
SURFV									
SYSCODEPAGE									
TABLEINDICATOR									
TABMODE									
TARGET									
TBCUSTOMIZE									
TDCREATE									
TDINDWG									
TDUCREATE									
TDUPDATE									
TDUSRTIMER									
TDUUPDATE									
TEMPOVERRIDES									
TEMPPREFIX									
TEXTEVAL									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
TEXTFILL									
TEXTQLTY									
TEXTSIZE									
TEXTSTYLE									
THICKNESS <i>Command Alias: TH</i>									
TILEMODE <i>Command Alias: TI, TM</i>									
TOOLTIPMERGE									
TOOLTIPS									
TPSTATE									
TRACEWID									
TRACKPATH									
TRAYICONS									
TRAYNOTIFY									
TRAYTIMEOUT									
TREEDEPTH									
TREEMAX									
TRIMMODE									
TSPACEFAC									
TSPACETYPE									
TSTACKALIGN									
TSTACKSIZE									
UCSAXISANG									
UCSBASE									
UCSFOLLOW									
UCSICON									
UCSNAME									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
UCSORG									
UCSORTHO									
UCSVIEW									
UCSVP									
UCSXDIR									
UCSYDIR									
UNDOCTL									
UNDOMARKS									
UNDOONDISK									
UNITMODE									
UPDATETHUMBNAIL									
USER11 - 5									
USERR1 - 5									
USERS1 - 5									
VIEWCTR									
VIEWDIR									
VIEWMODE									
VIEWSIZE									
VIEWTWIST									
VISRETAIN									
VPMAXIMIZEDSTATE									
VSMAX									
VSMIN									
VTDURATION									
VTENABLE									
VTFPS									
WHIPARC									

Notes:

Variable Name	R12	R13	R14	2000	2000i	2002	2004	2005	2006
WHIPTHREAD									
WINDOWAREACOLOR									
WMFBKGND									
WMFFOREGND									
WORLDUCS									
WORLDVIEW									
WRITESTAT									
WSCURRENT									
XCLIPFRAME									
XEDIT									
XFADECTL									
XLOADCTL									
XLOADPATH									
XREFCTL									
XREFNOTIFY									
XREFTYPE									
ZOOMFACTOR									

Notes: