WHAT'S NEW IN NANOCAD PLUS 6.0

- **Donut** command.
- Gradient hatch.

latch		
Hatch Gradient	Boundaries Add: Pick points	Islands Island detection Island display style
Color 1 Color 2 Gradient type Spherical Color 2 Gradient Color 2	Add: Select objects Add: Select objects Remove boundaries Recreate boundary View selection	Normal © Outer © Ignore
Orientation	Options Image: Create separate hatches Draw order: Send behind boundary	Retain boundaries Object type: Polyline Boundary set Current viewport New
	Inherit Properties	Gap tolerance Tolerance 0.0000 units Inherit options O Use current origin O Using source hatch origin
Preview		OK Cancel Help <<

Pattern		
Gradient name	Spherical	
Origin X	0.0000	
Origin Y	0.0000	
Associative	Yes	
Islands detectio	Outer	
Color 1	blue	
Color 2	yellow	
Gradient angle	0	Υ
Centered	Yes	l A
Geometry	Ξ	

- **MultiLine** line type.
- MultiLine Styles dialog:

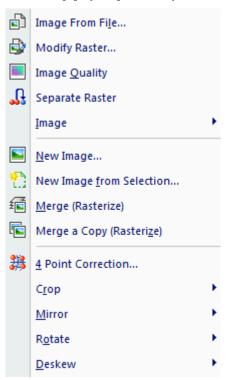
Multiline styles			- • •
	ť	o 🗙	/ 🚔 🖬
Vame Name	Description		
STANDARD			
	_		11
(+ −) [:] ок			
⊕⊖шок	Car	ncel	Help

- AuditGeometry command with 2 modes:
 - Check_Z_coordinate find objects with Z coordinate not equal 0 and set it to 0;
 - **Check_Hatches** check and recalculate hatches boundary to fix problems.



	Drawing Utilities	<u>A</u> udit
1	C:\ProgramData\\Samples\Sample1.dwg	Audit <u>G</u> eometry
	C:\ProgramData\\Samples\Sample2.dwg	<u>R</u> ecover
	<empty></empty>	Purge

- More **Raster** functions:
 - Embedded Images
 - Rasterization for Vectors and Rasters.
 - New Raster
 - New Raster From Selection
 - Rasterize (Merge)
 - Rasterize a copy (Duplicate):



- **Image Quality** command to manage display quality for raster images.
- **Separate Raster** command to separate 2 insertions of the same raster image to independed images.



- New commands for Crop:
 - Crop Auto (CropAuto),
 - Crop by Frame (CropByFrame),
 - Crop by Clip (CropByClip).

Ras	ter Help			
	Image From Fi <u>l</u> e			
٩	Modify Raster			
	Image <u>Q</u> uality			
ł	Separate Raster			
	Image	•		
	<u>N</u> ew Image			
Ł	New Image from Selection			
ź	Merge (Rasterize)			
	Merge a Copy (Rasteri <u>z</u> e)			
譏	4 Point Correction			
	Cīob		20	Auto
	Mirror	•	Ľ)	Auto by <u>F</u> rame
	R <u>o</u> tate	•	00	by <u>R</u> ectangle
	<u>D</u> eskew	•	۶Ľ	by <u>C</u> lip
-	<u>P</u> encil			
Ì	<u>E</u> raser			
1	Flood <u>F</u> ill			
٠	Flood <u>E</u> rase			

• New **File Open** and **File Save** dialogs with list of standard nanoCAD folders and preview area:

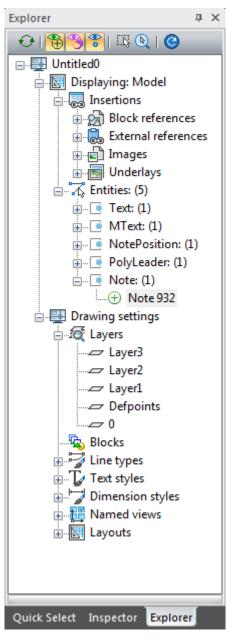
Ø Open File	Plus Int 6.0 Samples	 ✓ ✓
Organize 🔻 New folde	r	ss - □ @
 inanoCAD Samples Templates Favorites Autodesk 360 Desktop Downloads Google Диск Recent Places Яндекс.Диск MySyncFolder 	Sample1 Sample3	
File name:	Sample2	■ Drawings (*.dwg) ■ Open Cancel

Note: in WinXP new dialogs are not supported.

• **Quick Text** command in **Modify – Advanced Tools** menu to switch draft mode for texts.



• **Drawing Explorer** displaying all information about objects and settings of the current document. Objects can be selected using Drawing Explorer and some operations are available using Right-button menu.

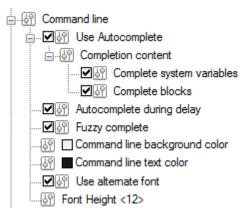




• Extended **Options** dialog:

I Options	Options
Application preferences Cursor Select Grips Color settings Scroll settings Scroll settings Papers Papers Raster file formats Text Standard directories Auto Save and Backup Right Button Usage Command line Graphic settings System Variables API Stant Screen	Application preferences ••••••••••••••••••••••••••••••••••••

- Common files location in Options Standard directories.
- Additional items for autocomplete function in Command line Blocks and System Variables, "Fuzzy-logic" autocomplete and Delay setting for Autocomplete list.





- Improved **Plot** command:
 - Page preview inside Plot dialog.

Plot - Model						
Page setup	Show Page Preview ["ISO A6 (105.00 x 148.00 mm)" 105.00 x 148.00 mm]					
Name: <pre></pre>						
Printer/plotter						
Internal PDF Plotter To file Setup						
Paper size and orientation						
ISO A6 (105.00 x 148.00 mm) - +						
Plot area	20 512 N 20 509 455					
Display Rotate at: 90°						
Plot offset, alingment and scale						
X: 0 X: Fit to paper						
Y: 0 + Frame width: 0	Y: 0 + Frame width: 0 + 462					
Scale: Custom						
▲ ▲ Multipage 1						
Plot style table (pen assignments)						
None	4598 812 315					
Color Plot Mode						
✓ Plot paperspace last						
Shaded viewport options Hide paperspace objects						
Shade plot As dispalyed -						
Quality Normal						
DPI 0 Number of conject						
Number of copies:						
Apply to layout Plot Cancel Help						

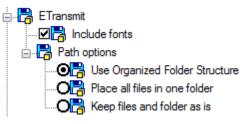
- **Find nearest format** to automatically find optimal paper format for defined plot area and margins.
- **Papers Filter** to edit list of paper formats.
- Rotation of the Plot area.
- Plot area alignment.
- Management Scales list using **SCALEUNITS** system variable.
 - **SCALEUNITS=0** for metric scales.
 - **SCALEUNITS=1** for inches scales.
 - **SCALEUNITS=2** for both lists.



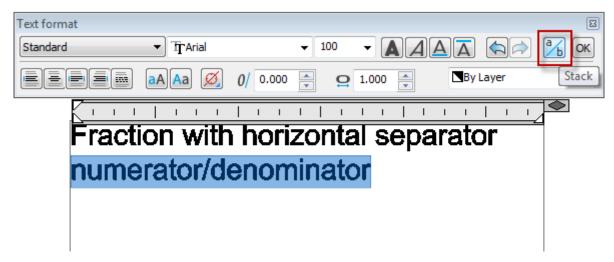
• **ETransmit** command to prepare files set included all linked to drawing files like fonts, rasters or external links.

urre	ent Dra	awing(s):				
		Name	Size	Туре	Date	Saved Path
	\checkmark	GOST 2.303-68.shx	73 bytes	Font	19.03.2014	C:\ProgramData\Nanosoft\nanoCAD Plu
	✓	SN.tif	591 KB	TIF	03.12.2012	C:\Users\seva\Downloads\SN.tif
	\checkmark	txt.shx	8,29 KB	Font	08.10.2013	C:\ProgramData\Nanosoft\nanoCAD Plu
0	~	whatsnew.dwg	23,2 KB	Current Drawing	22.04.2014	C: \Users \seva \Documents \whatsnew.dv
						Add file

• ETransmit settings in **Options** dialog:



 Fractions with horizontal separator in Multiline Texts: Before:



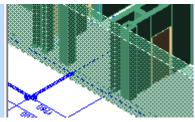


After:

Text format	8
Standard 🔻 TrArial	
	0/ 0.000 ▲ ♀ 1.000 ▲ By Layer ▼
Fraction with numerator denominator	horizontal separator

• **Proxy Objects** information in Inspector:

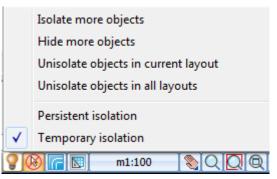
Proxy Information	
ProxyType	AEC_WALL
Product Desc	Autodesk Architectural Desktop 2007
Company	Autodesk,Inc.
WEB Address	www.autodesk.com



• Toggle Isolate Objects button:

	Isolate objects		
	Hide objects		
	Persistent isolation		
\checkmark	✓ Temporary isolation		
\mathbb{Q}	🗞 🕝 💽 *m1:100 🔊		

If document contains any isolated object color of the lamp on the button changes to yellow and also context menu also changes:



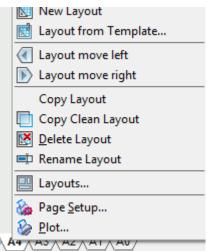
• Button to switch selection from locked layers mode:



• **QUICK SELECT** command now is also available as a panel. It can be shown/hided using **TABS** command.



• **LAYOUTCLEANCOPY**, command creates copy of Layout with all objects excluding Viewports. It's also included to context menu:



• **Dist** command: Measure distance using multiple points.

```
Command: DIST

Specify second point or [Multiple points/]: Multiple points

Distance = 125.7487

Distance = 269.0862

Distance = 450.5783

Distance = 589.4933

Distance = 687.9096

Specify second point or [Undo/Total/] <Total> Total

Distance = 687.9096

Command:
```



• Ability to edit path to file in **External References** dialog.

	ces				🐨 🕂 🗡	< 🖬 🖻 🔶	
Name		Status	Size	Туре	Date	Saved Path	
🖺 НОО4		Loaded	431 KB	Attach	23.05.2013 2	C:\Users\seva	Download
皆 scroll		Loaded	21,4 KB	Attach	16.04.2014	C:\work\scroll.	dwg
•							•
Details							== Q
Name	scroll						
Status	Loaded						
Size	21,4 KB						
Туре	Attach						
	16.04.20)14 16:36:05					
Date							
Date Saved Path	C:\work\	scroit.uwg					

• Full or Relative path for Rater insertion:

Insert Raster Image					
Name: SN Browse Found in: C:\Users\seva\Downloads\SN.tif Saved path: C:\Users\seva\Downloads\SN.tif Insertion Point Scale	Path type: Full path Full path Full path Relative path No path				

• Migration User settings from previous versions on first start.

Migration profile	×
Select product version for copy profile and press b you not needed to copy profile.	outton 'OK'. Press button 'Cancel' if
nanoCAD Eng 4.5 nanoCAD Int 5.0 nanoCAD Plus Int 5.0	
Hide old profiles	OK Cancel

To restore standard settings for current version you can use **Reset All** button in **Customize** dialog.

- Message and **Read Only** mark in Title bar for read-only documents or documents already opened by another user.
- New DirectX settings in **Options**

Graphic settings
🖶 🕂 🕏 OpenGL settings
🚊 🕂 🕏 DirectX settings
🗹 🖶 Optimize meshs rendering
Optimize lwd polylines rendering
Optimize lwd text bounds rendering
Sets threshold texture size for texture cache <0.5>

- DirectX added Video subsystem performance check command in Help menu.
- New menu items for **Arc** command.

	Arc by	1	<u>3</u> Points Ctrl+Alt+A
	<u>C</u> ircle ►	1	Start, Center, <u>E</u> nd
0	Don <u>u</u> t	4	Start, Center, Angle
N	<u>S</u> pline	0	Start, Center, Len <u>gt</u> h
	Ellipse by	– •	
	Block •	4	<u>S</u> tart, End, Angle
	-	1	Start, End, Direction
	Table	1	Start, End, Radi <u>u</u> s
	P <u>o</u> int		
X	<u>H</u> atch	6	Ce <u>n</u> ter, Start, End
	<u>G</u> radient	C,	<u>C</u> enter, Start, Angle
		0.	Center, Start, Lengt <u>h</u>
	Shape	E	Center, Angles, <u>R</u> adius
1	FillShapes		
	Solid	60	Cont <u>i</u> nue
	2010		

• New menu items for **Circle** command.

	<u>C</u> ircle	•	Center, Radius	Ctrl+Alt+C
\odot	Don <u>u</u> t	Ø	Center, Diameter	
្វ	<u>S</u> pline	\bigcirc	Diameter	
	Ellipse by	$\tilde{\Box}$	3 Points	
	Block	~		
	Table •	Ō	Two Tangents, Radius	
	Point			

• New Startup Screen.

