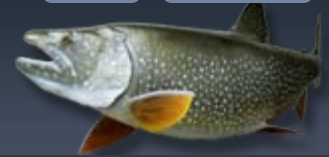**Help** **Register**

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Thread: How to import Excel x,y,z data into AutoCAD

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📄 29th May 2007 10:18 am   #1

sjm ○
Forum Newbie

Using: AutoCAD 2005
Join Date: May 2007
Posts: 3

📄 How to import Excel x,y,z data into AutoCAD

Hi all,

Hopefully someone can help me here, i'm a bit of a novice at all of this.

I have an excel file containing xyz co-ordinates that i wish to import to AutoCAD (2005).

I realise you can probably do this using the lisp function, but i don't know how they work, and wanted to know if there is an easier way.

Any help is appreciated.

Cheers,

sjm

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29th May 2007 12:19 pm   #2

lpseifert ○
Forum Deity
○○○○○

Using: Civil 3D 2008
Join Date: Sep 2006
Location: Pittsburgh, PA, USA
Posts: 3,568

If you want to draw a 3D polyline to connect the dots try this:
In excel get your data in x,y,z format. This can be done by creating an
equation to concatenate the data; e.g =A1&","&B1&","&C1 where cells
A1, B1 and C1 hold the x, y and z values. Highlight the new column
and press Ctrl+C (copy). In autocad start the 3dpoly command, when
it prompts you for a start point, paste the coordinates (Ctrl+V) at the
command line.

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29th May 2007 12:30 pm   #3

sjm ○
Forum Newbie

Using: AutoCAD 2005
Join Date: May 2007
Posts: 3

Thanks lpseifert,
This would work but i don't want to draw a polyline and want to have
the points only.

[This survey data is to be then imported into another survey, and then
contours plotted for all the points]

Any other ideas ?

Cheers
sjm

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29th May 2007 12:38 pm   #4

fuccaro ○
Super Moderator
○○○○○

Using: AutoCAD 2006
Join Date: Nov 2002
Location: Romania,
Marosvasarhely
Posts: 3,323

So enter MULTIPLE POINT in the command line and paste the coords
as lpseifert says

😇 It's nice to be nice, but sometimes is nicer to be evil!. 😈
Tip: Please do not PM or email me with CAD questions - use the forums, you'll get an answer sooner.

29th May 2007 11:46 pm   #5

sjm ○
Forum Newbie
Using: AutoCAD 2005
Join Date: May 2007
Posts: 3

Thanks guys, points all successfully inserted

sjm

19th Aug 2009 01:57 am   #6

Prime8 ○
Forum Newbie
Using: AutoCAD 2005
Join Date: Aug 2009
Posts: 2

Hello, I've gotten this all in but if I wanted to add a label, say point BC-09,BC-10,etc and have it show up in autocad next to the points I've entered into the display with the Multiple,Point command. I would prefer a similar copy and paste from excel command.

Thanks in advance.

19th Aug 2009 09:40 pm   #7

miguelvarez ○
Forum Newbie
Using: AutoCAD 2010
Join Date: Aug 2009
Posts: 1

Prime8,

The following lisp tool does exactly what you are looking for. The author is Mario Torres, check out his web (3w dot construcGeek dot com), his always uploading useful stuff.

It is in spanish, but i think is easy enough to use it even if you dont know spanish. however, if you have problems i can translate it 🙂

Regards
[COLOR=#000000 ! important]xLDes>en GoogleC
[COLOR=#000000 ! important][COLOR = 000000! important] xLDes in GoogleC [COLOR = 000000! important] edit: I add a sample excel template so you know how must be the format. [/ color] [/ color][/COLOR]
[/COLOR]

> 🔗 **Attached Files**
> 📄 Importar puntos de coordenadas v1.3.lsp (27.7 KB, 207 views)

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Prime8 ○
Forum Newbie
Using: AutoCAD 2005
Join Date: Aug 2009
Posts: 2

I may need another explanation that is simpler and in english. Also, I have a spreadsheet of over 400 points.
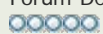
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eldon ○
Forum Deity
○○○○○
Using: AutoCAD 2002
Join Date: Sep 2006
Location: East Sussex, U.K.
Posts: 2,021

> ❝❞ Originally Posted by **Prime8** ❿
>
> *Hello, I've gotten this all in but if I wanted to add a label, say point BC-09,BC-10,etc and have it show up in autocad next to the points I've entered into the display with the Multiple,Point command. I would prefer a similar copy and paste from excel command.*
>
> *Thanks in advance.*

The pasting from Excel is possible with one type of data only. If you want to write labels, you are dealing with two types of data. One type is the x,y,z position and the other type is the label text.

Lisp will do that easily. Size is no problem. I have a lisp (not available for posting) which did 10,000 points in 29 seconds.

Last edited by eldon; 20th Aug 2009 at 10:24 am. Reason: Just timed the input

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fuccaro ○
Super Moderator
○○○○○

Using: AutoCAD 2006
Join Date: Nov 2002
Location: Romania, Marosvasarhely
Posts: 3,323

A possible solution: draw the points and use a script to put the texts near them. It is a poor approach since there is no connection between the points and the texts.
Use Excel to generate a script file.
Assuming X is stored in the column A, Y in B and the text in C, enter in D1 the formula:
=concatenate("text_",A1,",",B1,"_",2.5,"_",0,"_",C 1,"_")
Replace the underscores with spaces, I used underscores to clearly mark where to put spaces.
Here are the explanations: First you instruct AutoCAD that you wish to start the TEXT command. Put a space after it –it will act like the Enter. A1 and B1 are the cells where the cords are, separated by a comma.
Again a space (read: Enter)
Enter the text height (only if you don't use a fixed height text style) fallowed by a space.

Enter the rotation angle -zero is for horizontal, but you may enter any legal value, and again a space
Enter the address of the text to be placed on the screen: C1
A final space will terminate the command.
Once you get the first line, select D1, click and hold the black dot in the right down corner and drag it down to apply the function to all the lines.
Click the column head D (right the letter D) and all the column should be selected. Press CTRL+C, open Notepad and paste the text. Add an extra CR and save the file as Anyname.SCR
Drag this file in AutoCAD's drawing area.
Of, and I would disable the snap before that.

An other approach could be to place in the drawing blocks containing a point and an attribute. The way is similar, just use the "Insert" command instead of "Text" and provide the answers as AutoCAD expects them.
script.GIF

It's nice to be nice, but sometimes is nicer to be evil!.
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