

# Product Name

## Load XYZ and 4D files

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### Description

**It is an AutoLisp function for loading XYZ and 4D point files.**

Loading in AutoCAD is done with the APPLOAD command and then selecting the "load\_XYZ.lsp" file.

Type then in AutoCAD or InteliCAD: **LOADP4**

then select a file.

The following types of files can be loaded and drawn:

- x y z color (e.g 'Loadp4 points example x y z color.txt' ), 4 fields, the last field is an integer
- x y z scalar (e.g 'Loadp4 points example x y z scalar.txt' ), 4 fields, the last field is a float
- x y z r g b (e.g 'Loadp4 points example x y z r g b.txt' ), 6 fields, last 3 are integers
- no. x y z code (e.g loadp4 points example no x y z code.txt'), 5 fields, no. is a number and code is a text

The file type is given by the number of fields in the first article and the type of the last field (integer or float), if the number of fields is 4.

Fields can be separated by space, tab or comma.

"Color" and r, g or b must be integers with values between 1 and 255.

In the case of "x y z color", the points are colored with the color "color" and in the case of "x y z r g b" with the color described by the amount of r (red), g (green) and b (blue).

In the case of "x y z scalar", the points will be drawn with colors, according to a legend of 20 colors, depending on the value of the "scalar" field.

In the case of "no. x y z code" you can opt for drawing around the point the number, the code and the Z elevation. You can also indicate the step on X (X-axis-step) and Y (Y-axis-step) of an axis grid. If one of the steps is 0, no more axes are drawn.

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You can also type the command **EXPCOL**, which will export from the current DWG, a point file of the form "x y z color".

The file has the name and folder of the DWG and the extension "txt".

## Limitations

Does not exist.

## Design Details

Settings in Visual Lisp (Tools, Window Attributes, Configure Current):

- Tab width 3
- Left margin 0

## Logical View

It's not necessary.

## Process View

Is not the case.

## External Sources

Can be used in AutoCAD or programs based on IntelliCAD (such as BricsCAD, ProgeCAD, ActCAD, ZWCAD, etc.).

## Deployment

Loading in AutoCAD is done with the APPLOAD command and then selecting the " load\_XYZ.lsp " file.

## Server installation

Is not the case.