

AutoProject for AutoCAD Help

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AutoProject for AutoCAD Help

Welcome to *AutoProject for AutoCAD* Help!

This help file provides all the information you need to understand and use *AutoProject for AutoCAD*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right-hand pane.

The *AutoProject for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *AutoProject for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands in *AutoProject for AutoCAD*.
- [Tutorials](#) - Tutorials to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

Note:

- If you have trouble loading the *AutoProject for AutoCAD* plug-in file into the AutoCAD environment please refer to the [ReadMe](#) file.
- Please read the [license agreement](#) before using the software.

Introduction

AutoProject for AutoCAD is an automatic 2D projection generation plug-in for AutoCAD. This plug-in gives AutoCAD the ability to automatically create precise 2D projections views of 3D objects.

AutoCAD users often find themselves in a position wherein they have to create 2D views of their 3D models. Newer versions of AutoCAD have commands to create projection views, but these commands are limited to are 3D solids and surfaces only. There are no commands to project normal 3D curves such as line, polylines, arcs, circles, splines and other objects like meshes, faces, points, etc. *AutoProject for AutoCAD* removes this limitation and gives AutoCAD the ability to project almost any object onto a 2D plane.

AutoProject for AutoCAD is capable of projecting 3D objects to the six standard orthographic views (top, bottom, front, back, right and left) as well as the 8 standard isometric views, one for each octant.

AutoProject for AutoCAD is designed to work with the following versions of AutoCAD:

- AutoCAD 2010 (32 & 64 Bit)
- AutoCAD 2009 (32 & 64 Bit)
- AutoCAD 2008 (32 & 64 Bit)
- AutoCAD 2007
- AutoCAD 2006
- AutoCAD 2005
- AutoCAD 2004
- AutoCAD 2002
- AutoCAD 2000i
- AutoCAD 2000

AutoProject for AutoCAD is very easy to use. Once installed, it must be loaded into the AutoCAD environment. There are simple instructions for this in the ReadMe file. Once loaded it adds new commands to AutoCAD's existing commands and a new submenu called "AutoProject" to the AutoCAD menu containing these newly added commands.

AutoProject for AutoCAD comes with detailed documentation for each command as well as a [tutorials](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

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8.6 Language. The English language version of this Agreement is legally binding in case of any inconsistencies between the English version and any translations.

ReadMe

This is the *AutoProject for AutoCAD* ReadMe file.

Thank you for installing AutoProject for AutoCAD.

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of AutoProject for AutoCAD.

Since AutoProject for AutoCAD is a plug-in for AutoCAD, it has to be loaded into the AutoCAD environment before it can be used. Loading is a one time process. AutoProject for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The AutoProject for AutoCAD plug-in files are installed into the AutoProject for AutoCAD installation folder (typically "C:\Program Files\SYCODE\AutoProject for AutoCAD\"). The plug-in files have an extension of ".arx".

The list of plug-in files along with the version of AutoCAD is shown below. Please be sure to use the plug-in file that corresponds to your version of AutoCAD.

```
AutoProject_VC60.arx    -> AutoCAD 2000, 2000i, 2002
AutoProject_VC70.arx    -> AutoCAD 2004, 2005, 2006
AutoProject_VC80.arx    -> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
AutoProject_VC80x64.arx -> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
AutoProject_VC90.arx    -> AutoCAD 2010 (32 Bit)
AutoProject_VC90x64.arx -> AutoCAD 2010 (64 Bit)
AutoProject_VC90.arx    -> AutoCAD 2011 (32 Bit)
AutoProject_VC90x64.arx -> AutoCAD 2011 (64 Bit)
```

To load AutoProject for AutoCAD into AutoCAD please follow the steps listed below:

- (1) Select "Load Application..." from "Tools" menu or enter the "_APLOAD" command.
- (2) Click the "Contents" button in "Startup Suite"
- (3) Click the "Add" button.
- (4) Browse for the plug-in file for your version of AutoCAD (see list above).
- (5) Click the "Add" button on the Add File to Startup Suite dialog box.
- (6) Click the "Close" button to close the Startup Suite dialog box.
- (7) Click the "Close" button to close the Load/Unload Applications dialog box.

Now AutoProject for AutoCAD is completely installed and ready for use.

Usage:
=====

AutoProject for AutoCAD Help

AutoProject for AutoCAD adds new commands to AutoCAD. To differentiate these new commands from other commands, they all begin with "AP", which stands for "Auto Project". A new menu called "AutoProject" is added to the AutoCAD menu containing these newly added commands. The commands added are:

- 1) APTop - Projects to the top orthographic view
- 2) APBottom - Projects to the bottom orthographic view
- 3) APFront - Projects to the front orthographic view
- 4) APBack - Projects to the back orthographic view
- 5) APRight - Projects to the right side orthographic view
- 6) APLeft - Projects to the left side orthographic view
- 7) APIso1 - Projects to the 1st octant isometric view (Right, Back, Top)
- 8) APIso2 - Projects to the 2nd octant isometric view (Left, Back, Top)
- 9) APIso3 - Projects to the 3rd octant isometric view (Left, Front, Top)
- 10) APIso4 - Projects to the 4th octant isometric view (Right, Front, Top)
- 11) APIso5 - Projects to the 5th octant isometric view (Right, Back, Bottom)
- 12) APIso6 - Projects to the 6th octant isometric view (Left, Back, Bottom)
- 13) APIso7 - Projects to the 7th octant isometric view (Left, Front, Bottom)
- 14) APIso8 - Projects to the 8th octant isometric view (Right, Front, Bottom)
- 15) APHelp - Display the AutoProject for AutoCAD help file
- 16) APRegister - Register your copy of AutoProject for AutoCAD
- 17) APAbout - Display the AutoProject for AutoCAD about box

The AutoProject for AutoCAD help file is a good place to start.

Support:

=====

For support, please E-Mail support@sycode.com

Command Reference

AutoProject for AutoCAD adds a new menu to the AutoCAD menu called 'AutoProject'. The AutoProject menu consists of the following commands:

APTop	Projects to the top orthographic view
APBottom	Projects to the bottom orthographic view
APFront	Projects to the front orthographic view
APBack	Projects to the back orthographic view
APRight	Projects to the right side orthographic view
APLeft	Projects to the left side orthographic view
APIso1	Projects to the 1st octant isometric view (Right, Back, Top)
APIso2	Projects to the 2nd octant isometric view (Left, Back, Top)
APIso3	Projects to the 3rd octant isometric view (Left, Front, Top)
APIso4	Projects to the 4th octant isometric view (Right, Front, Top)
APIso5	Projects to the 5th octant isometric view (Right, Back, Bottom)
APIso6	Projects to the 6th octant isometric view (Left, Back, Bottom)
APIso7	Projects to the 7th octant isometric view (Left, Front, Bottom)
APIso8	Projects to the 8th octant isometric view (Right, Front, Bottom)
APHelp	Display the AutoProject for AutoCAD help file
APRegister	Register your copy of AutoProject for AutoCAD
APAbout	Display the AutoProject for AutoCAD about box

APTop

Menu Button	AutoProject > Top
Command	APTop

This command is used to project entities to get the top orthographic view.

APBottom

Menu Button	AutoProject > Bottom
Command	APBottom

This command is used to project entities to get the bottom orthographic view.

APFront

Menu Button	AutoProject > Front
Command	APFront

This command is used to project entities to get the front orthographic view.

APBack

Menu Button	AutoProject > Back
Command	APBack

This command is used to project entities to get the back orthographic view.

APRight

Menu Button	AutoProject > Right
Command	APRight

This command is used to project entities to get the right side orthographic view.

APLeft

Menu Button	AutoProject > Left
Command	APLeft

This command is used to project entities to get the left side orthographic view.

APIso1

Menu Button	AutoProject > Iso1 (Back, Right, Top)
Command	APIso1

This command is used to project entities to get the 1st octant perspective view. This is also known as the Right, Back, Top view.

APIso2

Menu Button	AutoProject > Iso2 (Left, Back, Top)
Command	APIso2

This command is used to project entities to get the 2nd octant perspective view. This is also known as the Left, Back, Top view.

APIso3

Menu Button	AutoProject > Iso3 (Left, Front, Top)
Command	APIso3

This command is used to project entities to get the 3rd octant perspective view. This is also known as the Left Front, Top view.

APIso4

Menu Button	AutoProject > Iso4 (Right, Front, Top)
Command	APIso4

This command is used to project entities to get the 4th octant perspective view. This is also known as the Right, Front, Top view.

APIso5

Menu Button	AutoProject > Iso5 (Right, Back, Bottom)
Command	APIso5

This command is used to project entities to get the 5th octant perspective view. This is also known as the Right, Back, Bottom view.

APIso6

Command Name	AutoProject > Iso6 (Left, Back, Bottom)
Menu Button	APIso6

This command is used to project entities to get the 6th octant perspective view. This is also known as the Left, Back, Bottom view.

APIso7

Menu Button	AutoProject > Iso7 (Left, Front, Bottom)
Command	APIso7

This command is used to project entities to get the 7th octant perspective view. This is also known as the Left, Front, Bottom view.

APIso8

Menu Button	AutoProject > Iso8 (Right, Front, Bottom)
Command	APIso8

This command is used to project entities to get the 8th octant perspective view. This is also known as the Right, Front, Bottom view.

APHelp

Command Name	APHelp
Menu Button	AutoProject > Help

This command displays the help file. The [Welcome](#) page is a good place to start.

APRegister

Menu Button	AutoProject > Register
Command	APRegister

This command is used to register your copy of *AutoProject for AutoCAD*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.

How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

IMPORTANT:

(1) Please ensure that your computer is connected to the internet before you request for a

AutoProject for AutoCAD Help

key.

(2) Please be sure to enter a valid email address as the key will be sent to you by email.

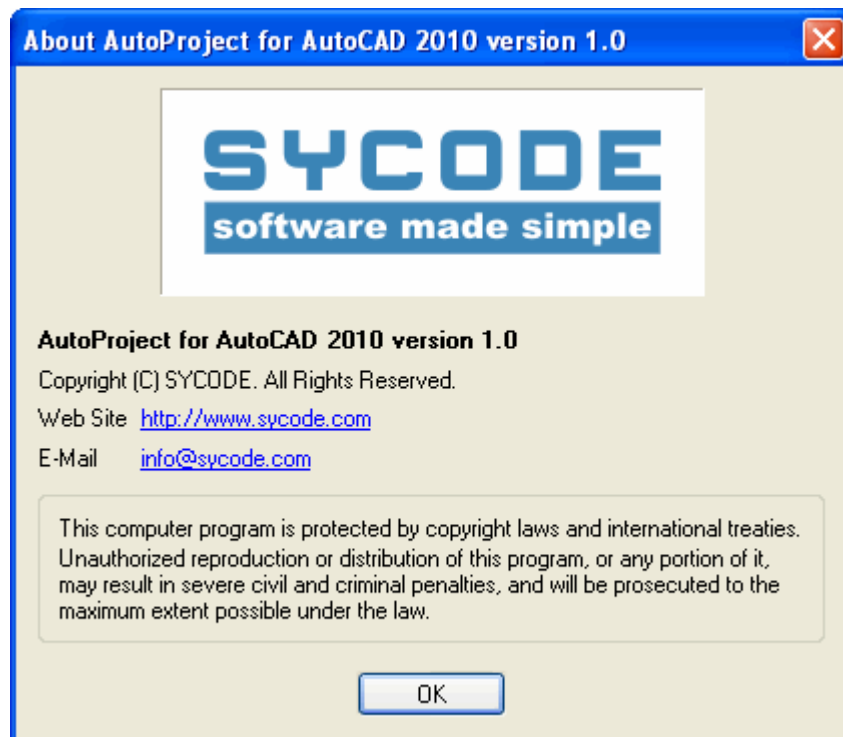
(3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to register@sycode.com

APAbout

Command Name	APAbout
Menu Button	AutoProject > About

This command is used to display the *AutoProject for AutoCAD* About box. The About box lists the software and its version.



Tutorials

The purpose of these tutorials is to provide the necessary information and hands-on experience to enable you to use *AutoProject for AutoCAD*.

The tutorials are designed to get you started with *AutoProject for AutoCAD* in the shortest possible time.

[Tutorial 1](#): Getting Started

[Tutorial 2](#): View Drawing in Different Directions

Note: The file used in these tutorials can be found in the Samples folder. (Typically C:\Program Files\SYCODE\AutoProject for AutoCAD\Samples\)

Tutorial - 1 - Getting Started

The purpose of these tutorials is to provide the necessary information and hands-on experience to help you get started with *AutoProject for AutoCAD* in the shortest possible time.

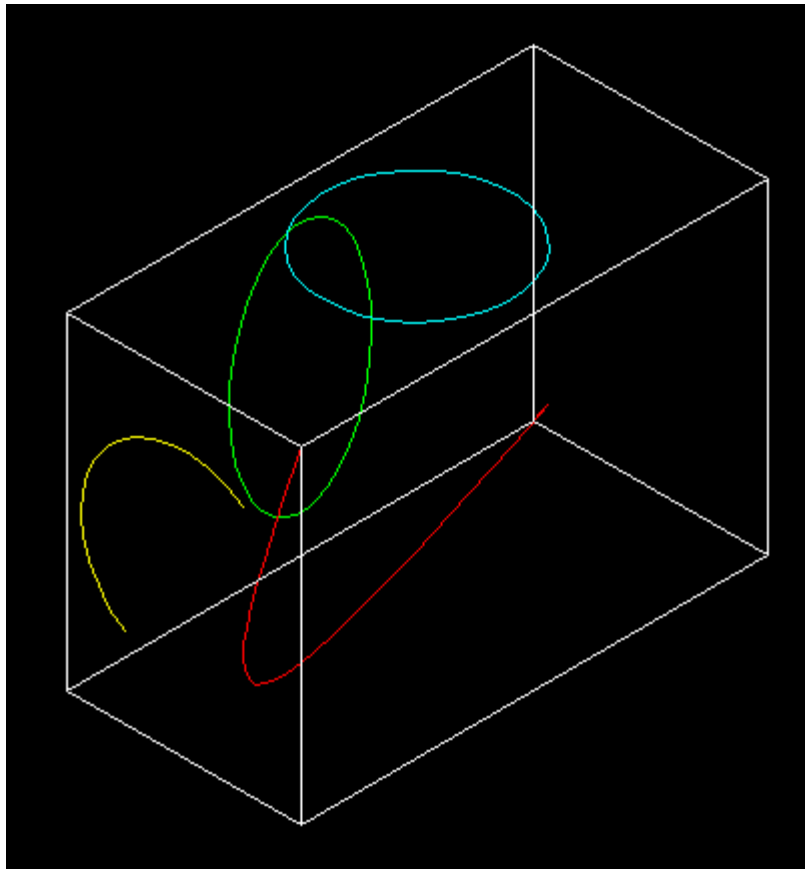
Step 1: Start AutoCAD.

Step 2: Select *Open* from the AutoCAD file menu. Browse for the file C:\Program Files\SYCODE\AutoProject for AutoCAD\Samples\Sample 1.dwg and click *Open*.

Step 3: Select *Iso1 (Back, Right, Top)* from the "AutoProject" menu or type *APIso1* at the prompt.

Step 4: At the *Select entities to select* prompt, select the drawing and press *Enter*.

Step 5: At the *Pick insertion point* prompt, place the cursor where the isometric view to be inserted.

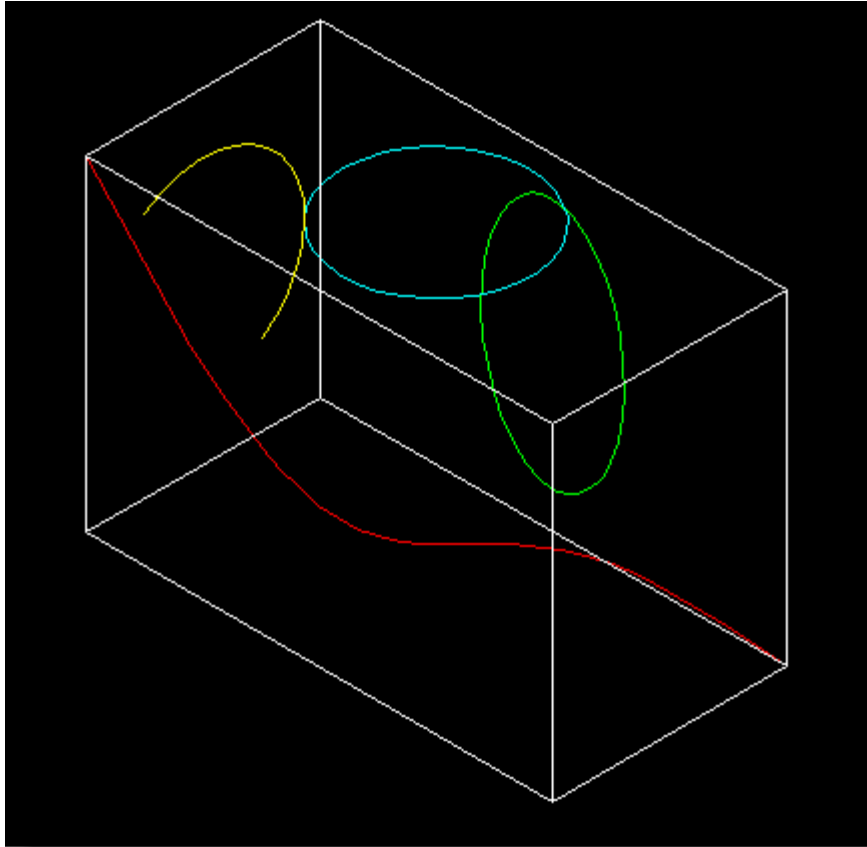


Iso1 (Back, Right, Top) View

AutoProject for AutoCAD Help

Step 6: Select *Iso2 (Left, Back, Top)* from the "AutoProject" menu or type *APIso2* at the prompt.

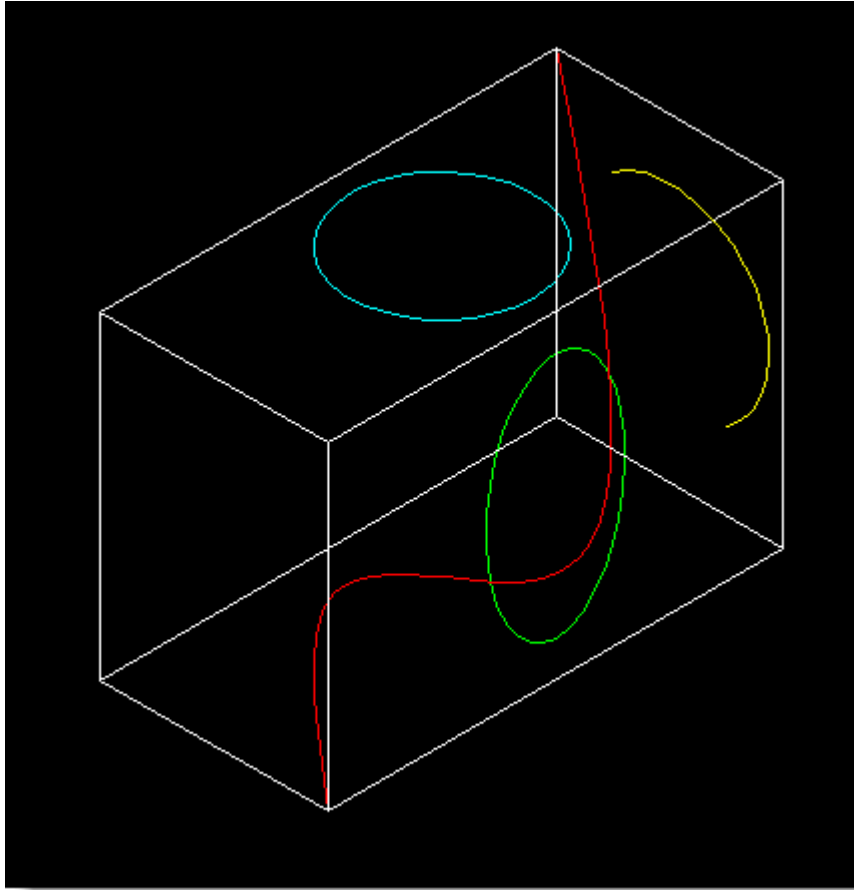
Step 7: Repeat Step 4 & 5.



Iso2 (Left, Back, Top) View

Step 8: Select *Iso3 (Left, Front, Top)* from the "AutoProject" menu or type *APIso3* at the prompt.

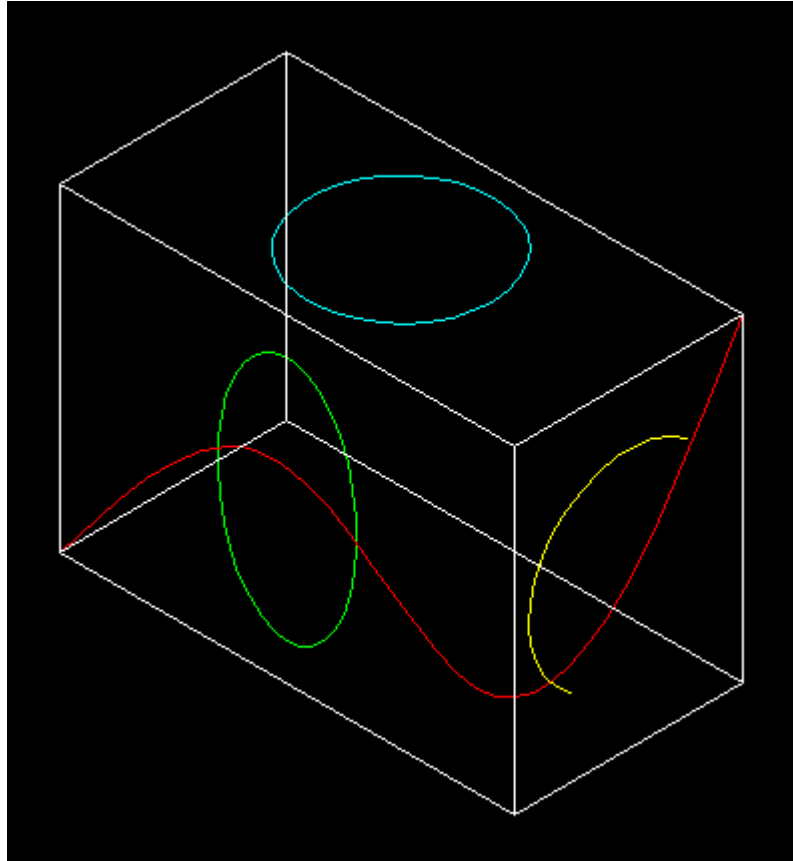
Step 9: Repeat Step 4 & 5.



Iso3 (Left, Front, Top) View

Step 10: Select *Iso4 (Right, Front, Top)* from the "AutoProject" menu or type *APIso4* at the prompt.

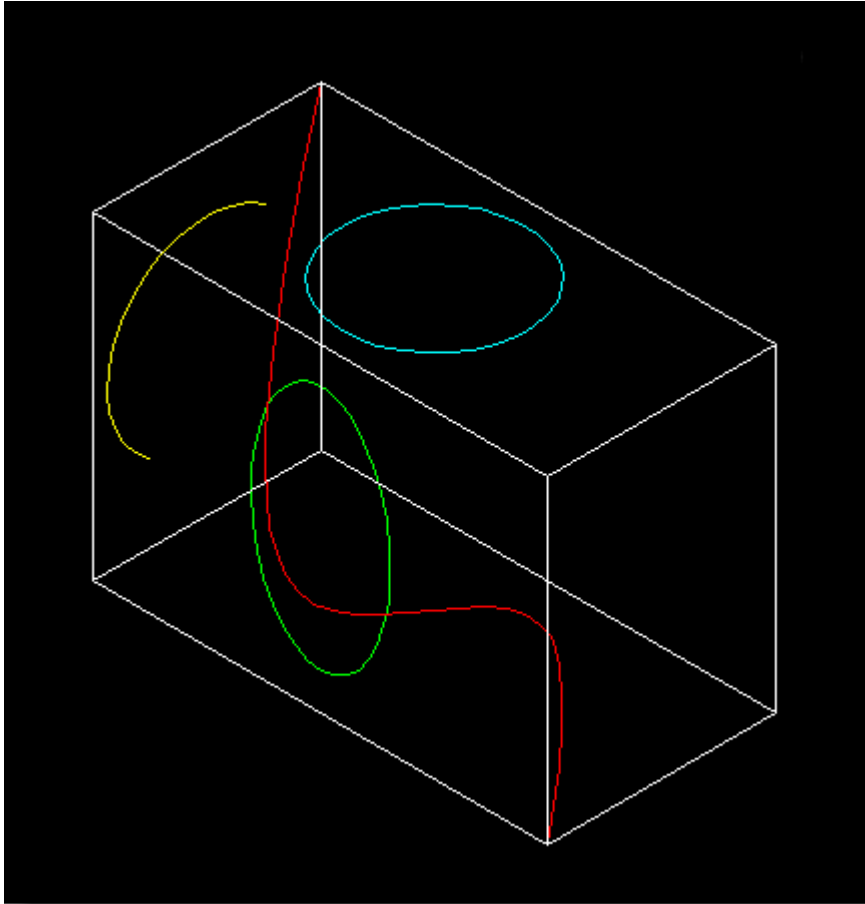
Step 11: Repeat Step 4 & 5.



Iso4 (Right, Front, Top) View

Step 12: Select *Iso5 (Right, Back, Bottom)* from the "AutoProject" menu or type *APIso5* at the prompt.

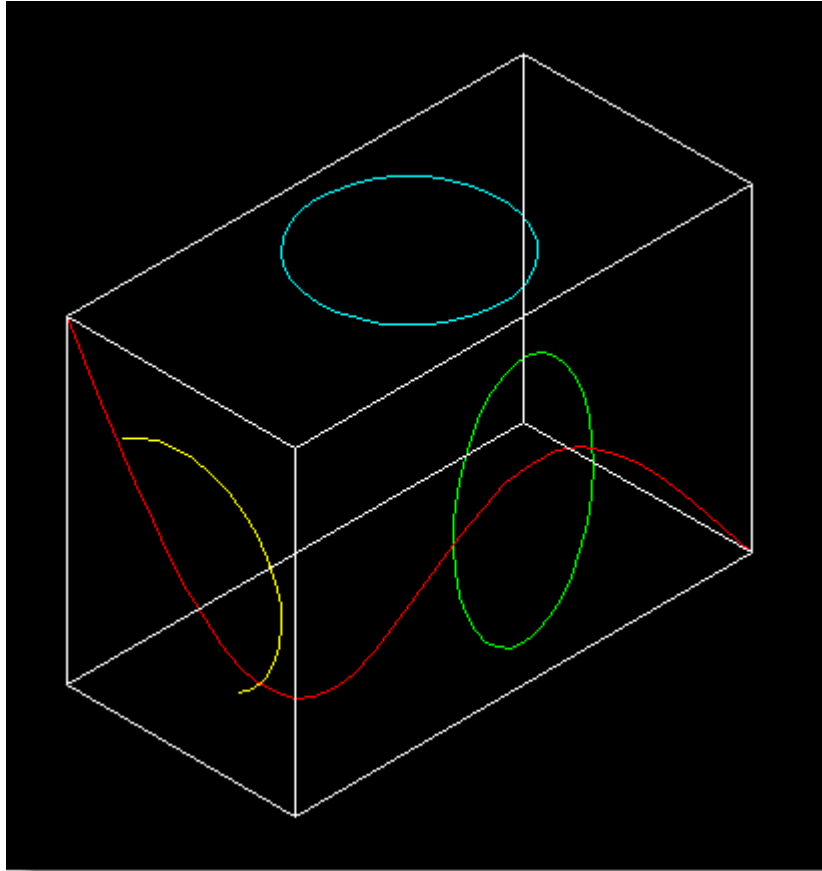
Step 13: Repeat Step 4 & 5.



Iso5 (Right, Back, Bottom) View

Step 14: Select *Iso6 (Left, Back, Bottom)* from the "AutoProject" menu or type *APIso6* at the prompt.

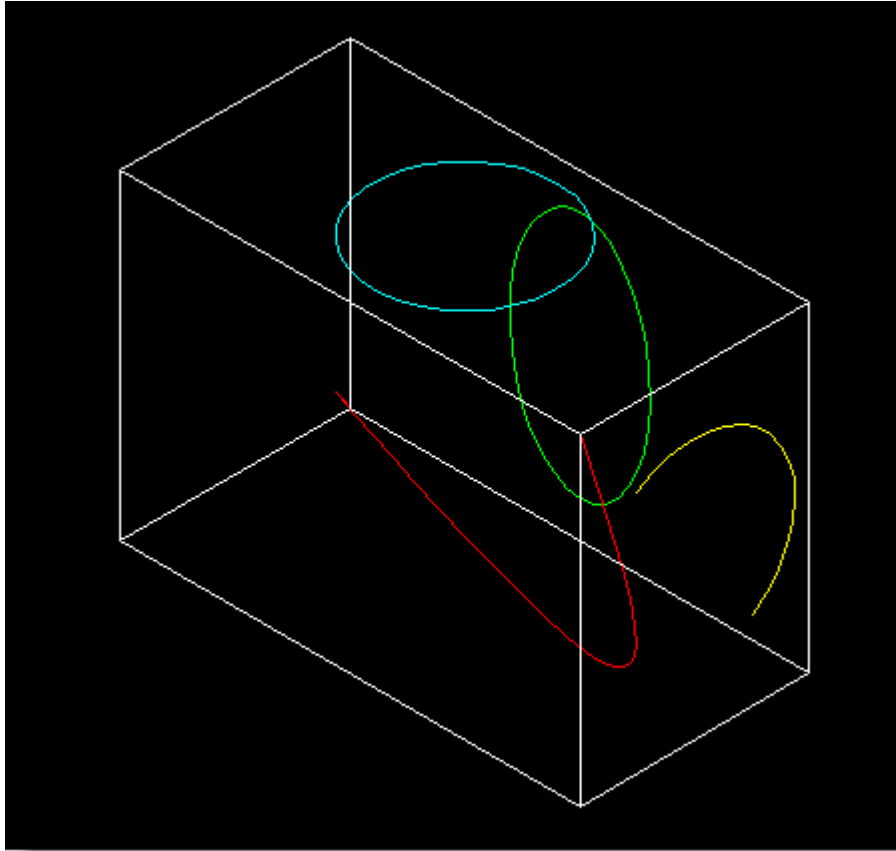
Step 15: Repeat Step 4 & 5.



Iso6 (Left, Back, Bottom) View

Step 16: Select *Iso7 (Left, Front, Bottom)* from the "AutoProject" menu or type *APIso7* at the prompt.

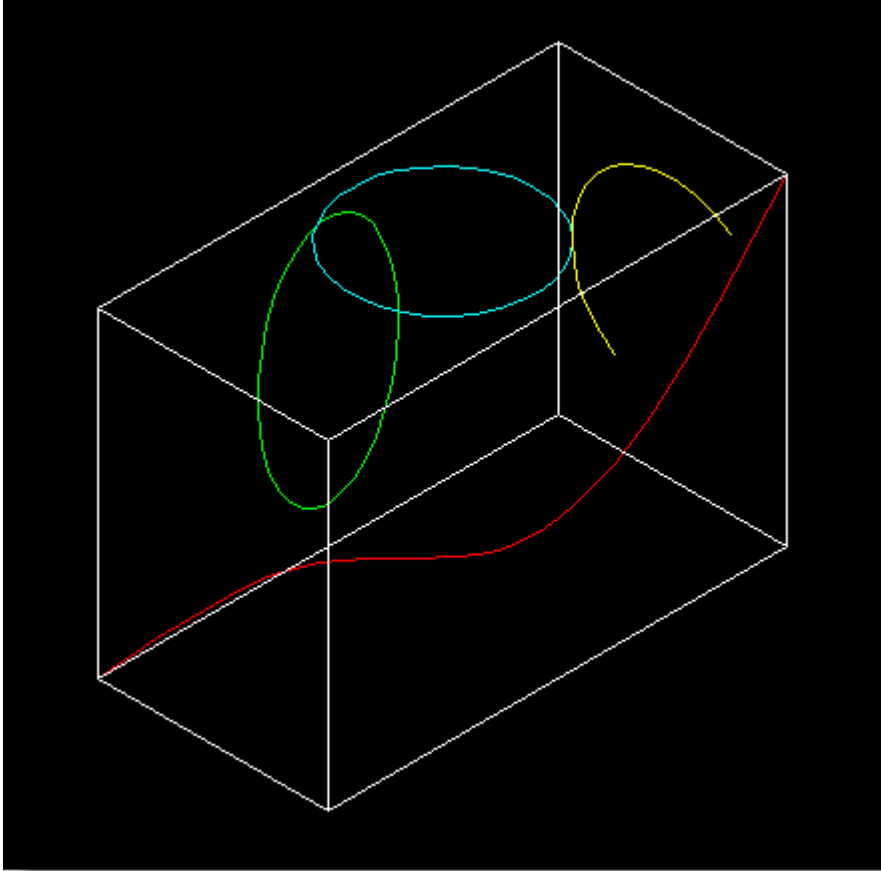
Step 17: Repeat Step 4 & 5.



Iso7 (Left, Front, Bottom) View

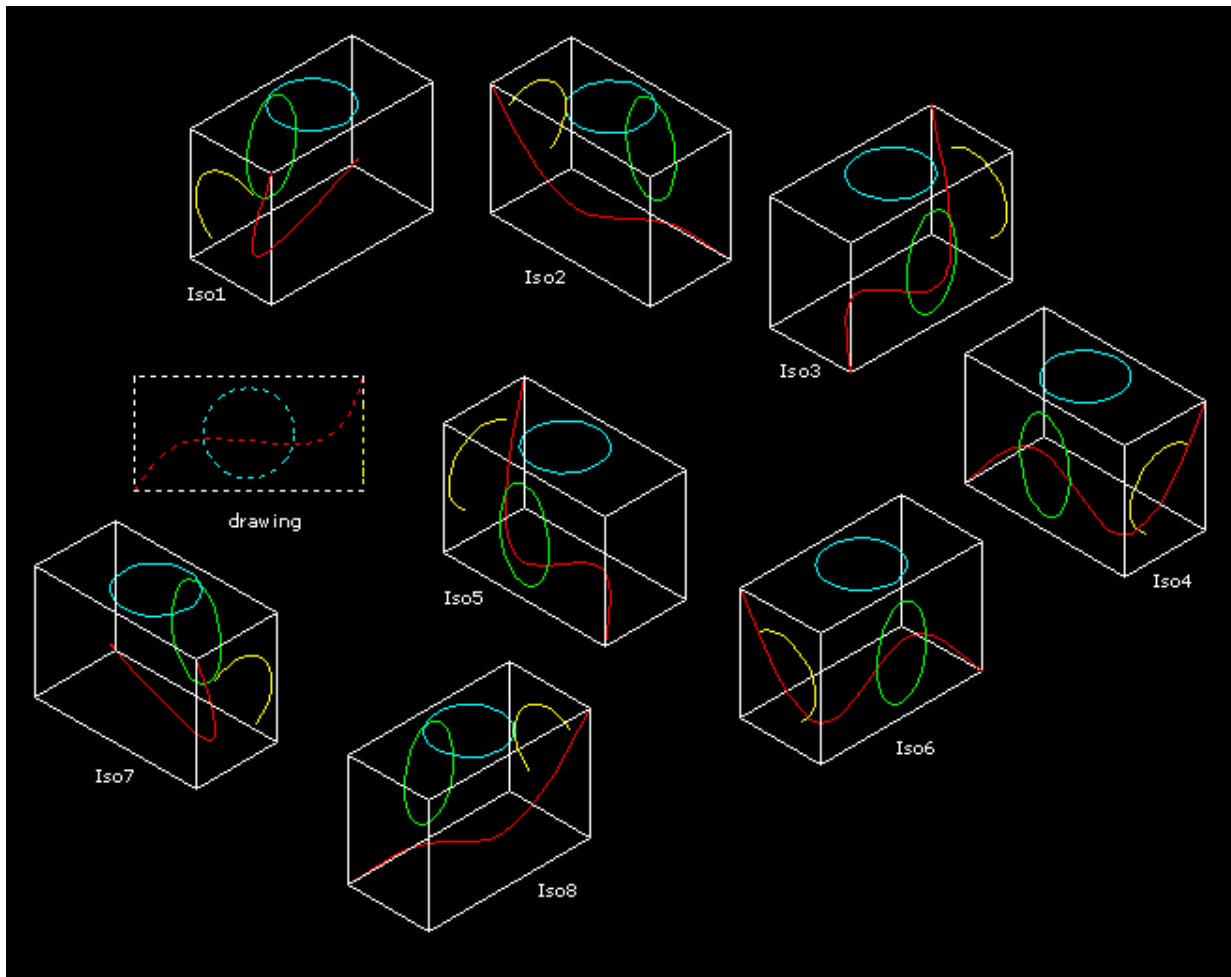
Step 18: Select *Iso8 (Right, Front, Bottom)* from the "AutoProject" menu or type *APIso8* at the prompt.

Step 19: Repeat Step 4 & 5.



Iso8 (Right, Front, Bottom) View

The final output in a different isometric view



Tutorial - 2 - View Drawing in Different Directions

Tutorial 2 will show how to view a drawing in different directions in *AutoProject for AutoCAD*.

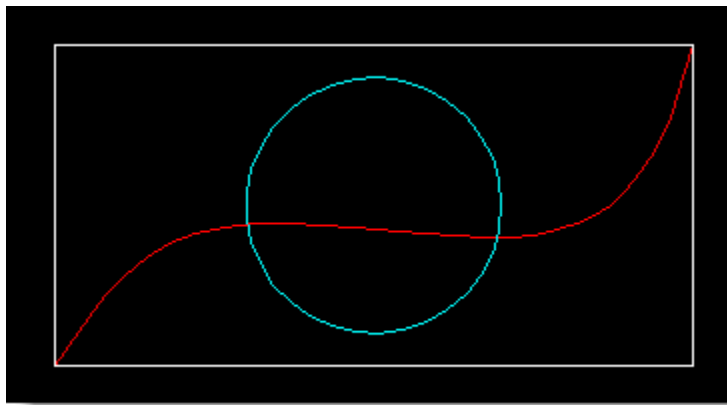
Step 1: Start AutoCAD.

Step 2: Select *Open* from the AutoCAD file menu. Browse for the file C:\Program Files\SYCODE\AutoProject for AutoCAD\Samples\Sample 1.dwg and click *Open*.

Step 3: Select *Top* from the "AutoProject" menu or type *APT* at the prompt.

Step 4: At the *Select entities to select* prompt, select the drawing and press *Enter*.

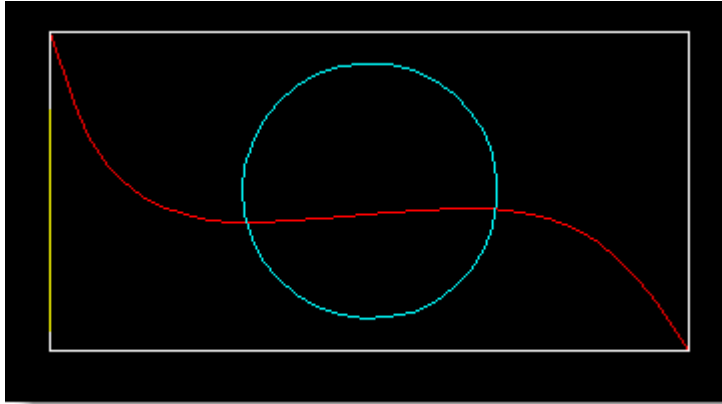
Step 5: At the *Pick insertion point* prompt, place the cursor where the isometric view to be inserted



Top view

Step 6: Select *Bottom* from the "AutoProject" menu or type *APBottom* at the prompt.

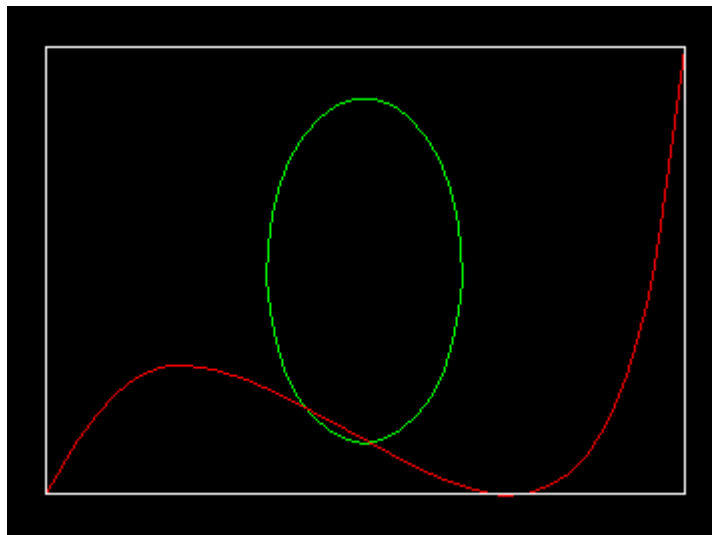
Step 7: Repeat Step 4 & 5.



Bottom view

Step 8: Select *Front* from the "AutoProject" menu or type *APFront* at the prompt.

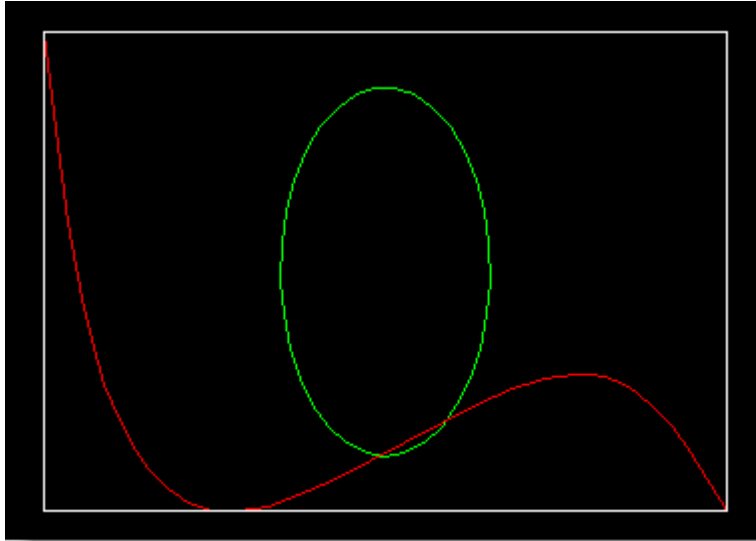
Step 9: Repeat Step 4 & 5.



Front view

Step 10: Select *Back* from the "AutoProject" menu or type *APBack* at the prompt.

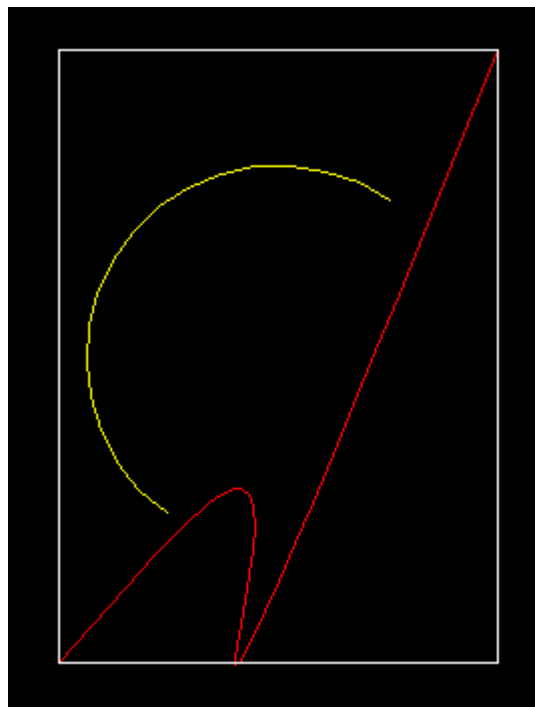
Step 11: Repeat Step 4 & 5.



Back view

Step 12: Select *Right* from the "AutoProject" menu or type *APRight* at the prompt.

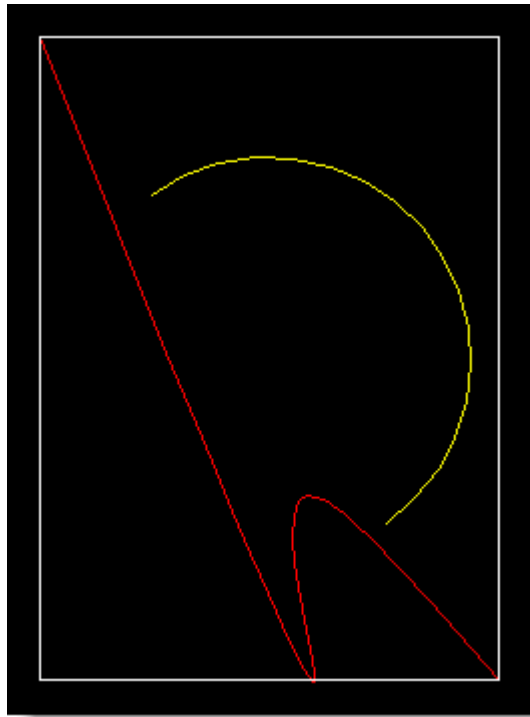
Step 13: Repeat Step 4 & 5.



Right view

Step 14: Select *Left* from the "AutoProject" menu or type *APLeft* at the prompt.

Step 15: Repeat Step 4 & 5.



Left View

The final output in a different isometric view

