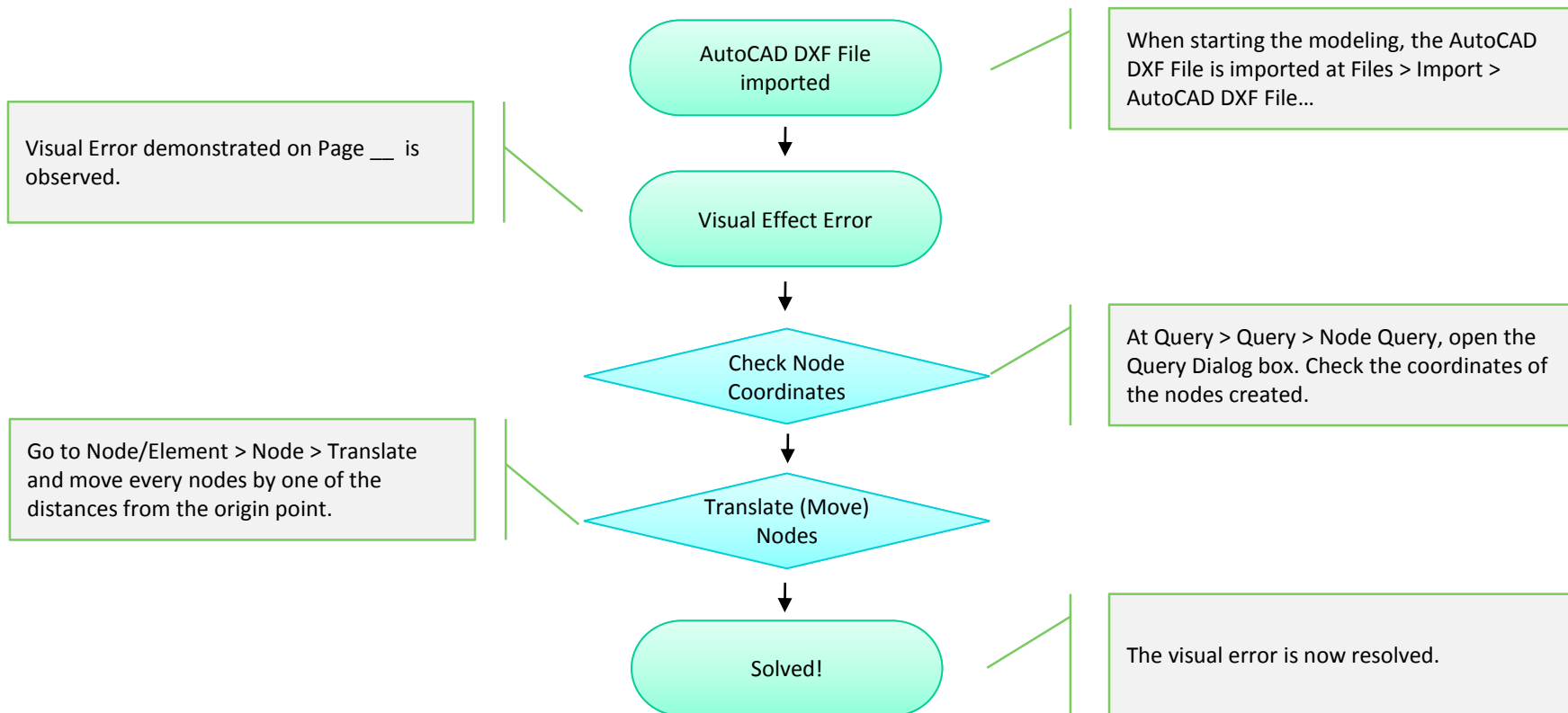


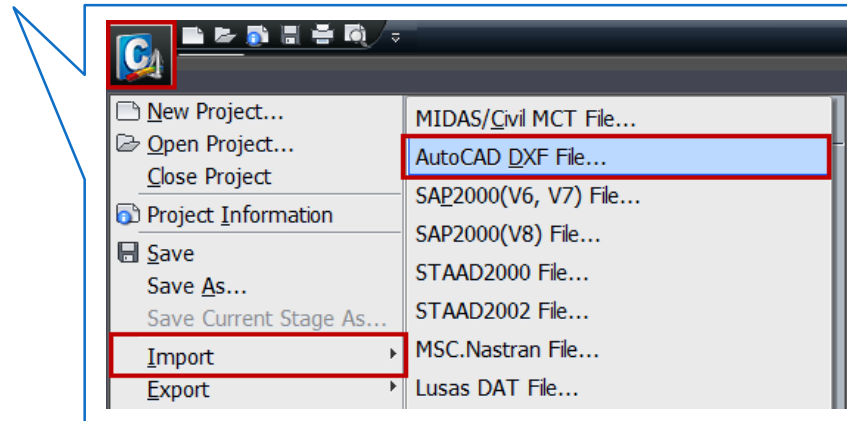
# Troubleshooting Visual Effect Errors for AutoCAD DXF – Imported Models

MIDASoft  
[MIDASoft@midasuser.com](mailto:MIDASoft@midasuser.com)

This manual provides guidance for troubleshooting visual effect errors of the model in which AutoCAD DXF File is imported.

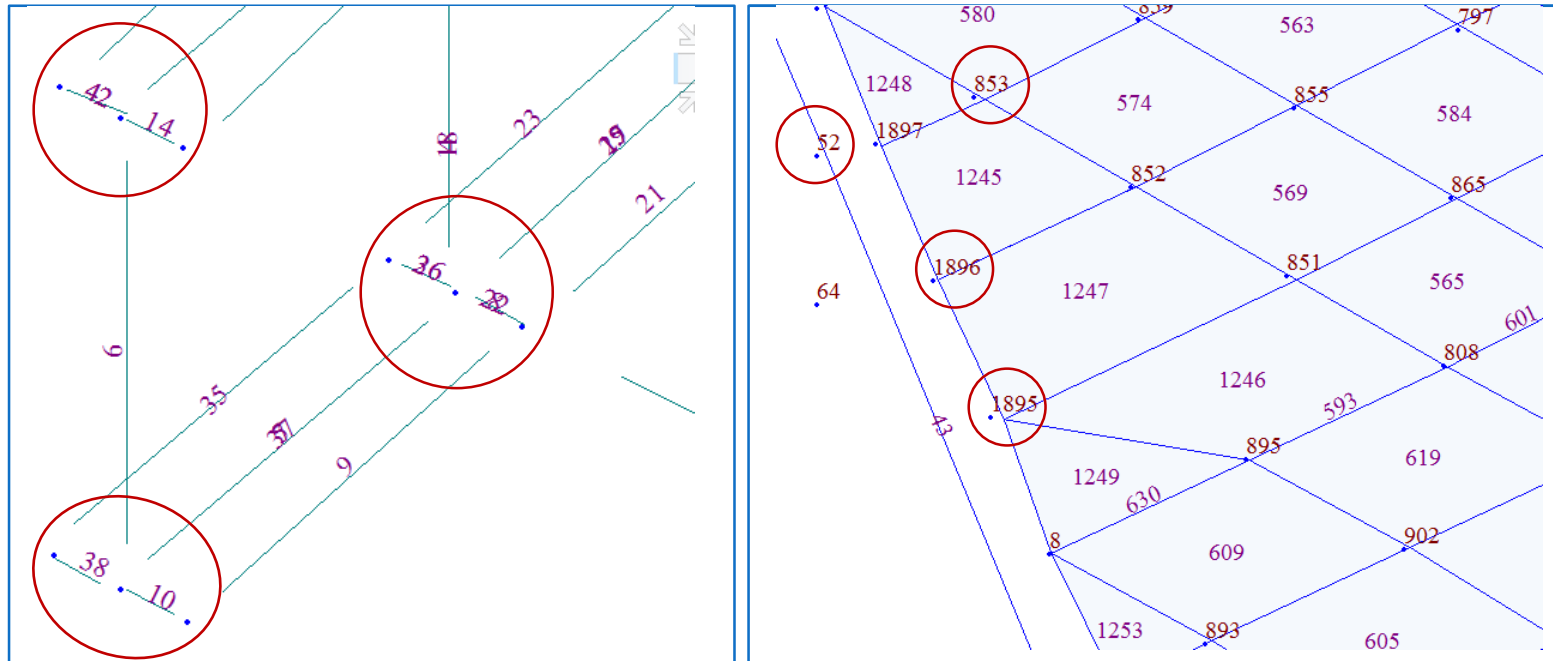


- midas Civil can import various types of files including midas Civil Text File (MCT File), AutoCAD DXF File, SAP2000 File (V6, V7 & V8), STAAD2000, STAAD 2002, MSC Nastran File and Lusas DAT File.



- For more information about the Import feature, refer to the Online Help manual at: [http://manual.midasuser.com/EN\\_Common/Civil/835/index.htm#Start/01\\_File/Import.htm](http://manual.midasuser.com/EN_Common/Civil/835/index.htm#Start/01_File/Import.htm)
- The usage of the DXF File Import function is demonstrated in the video at: <https://drive.google.com/file/d/0B-wfdCwh0wJfSFJsX2xhc1dKZm8/view?usp=sharing>

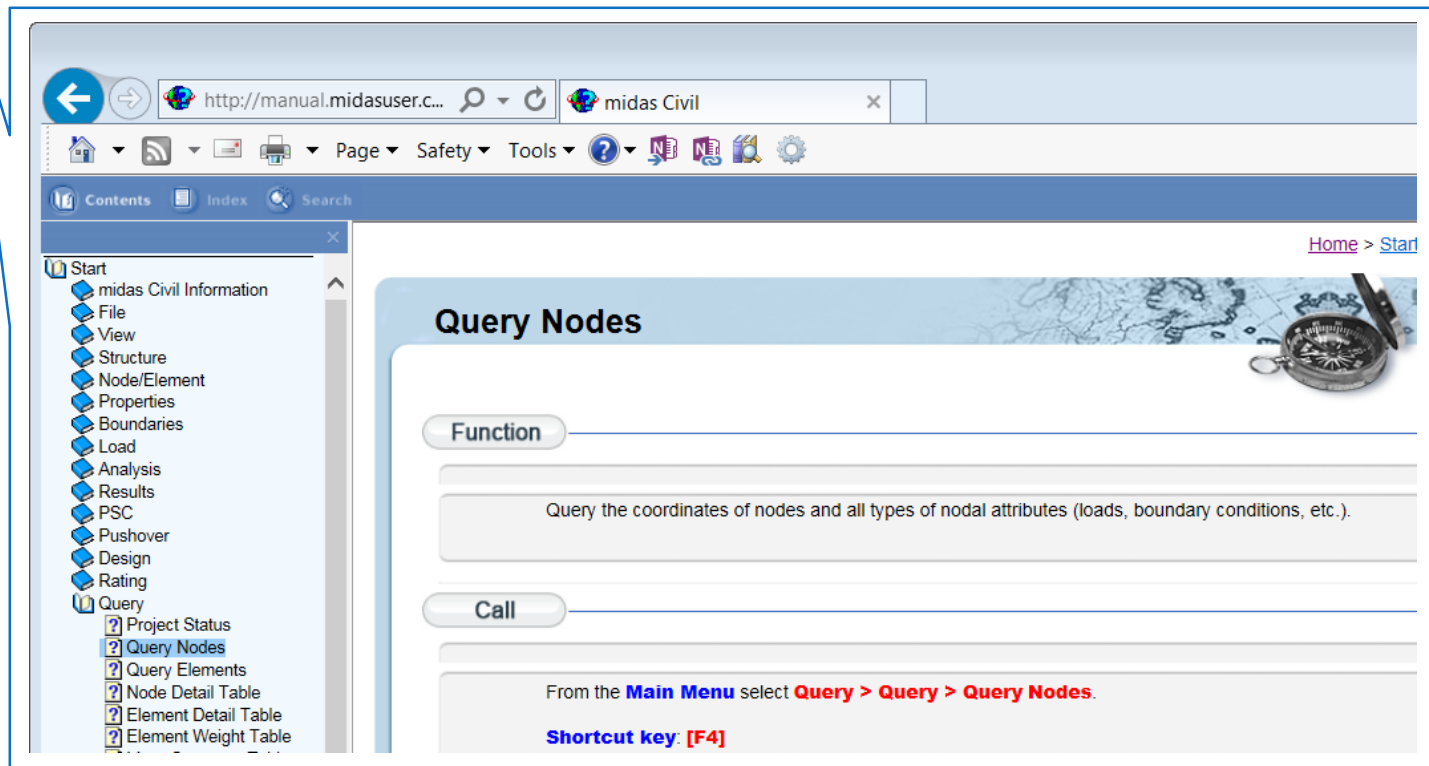
- When AutoCAD DXF File is imported, visual effect errors such as shown in the pictures on this page can occur.
- The elements and nodes that are supposed to be arranged intersecting with each other are scattered and floating.
- This is only a visual effect error due to the large distance from the origin point.



When such visual effect errors are observed (page 4), check the coordinates of the imported nodes.

- From the Main Menu, select Query > Query > Query Nodes, you can open a small dialog box that queries the coordinates of nodes and all types of nodal attributes (loads, boundary conditions, etc.).

(For more information about the Query Nodes function, refer to the Online Help manual at: [http://manual.midasuser.com/EN\\_Common/Civil/835/Start/10\\_Query/Query\\_Nodes.htm](http://manual.midasuser.com/EN_Common/Civil/835/Start/10_Query/Query_Nodes.htm)).

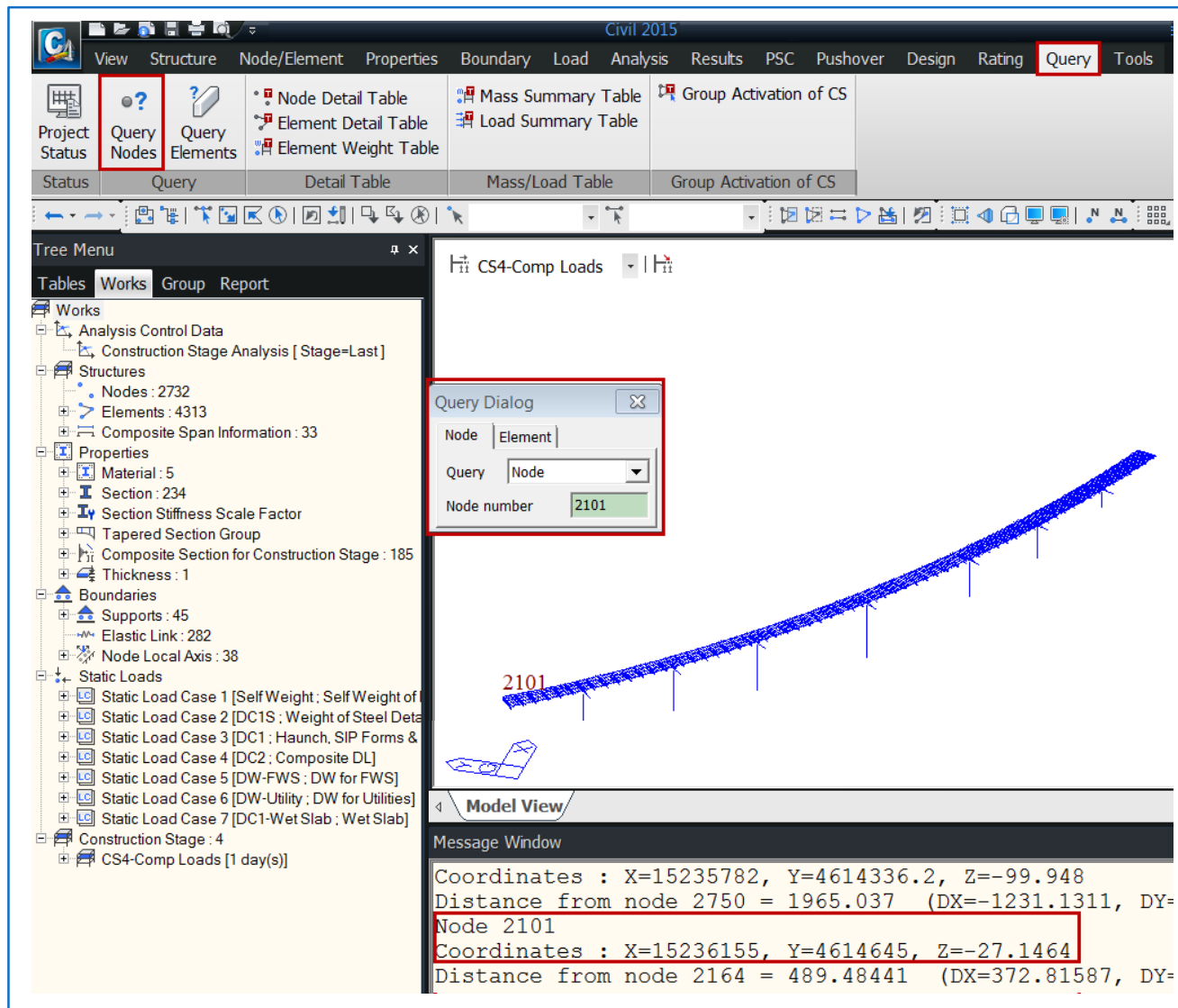


The screenshot shows a web browser window displaying the 'Query Nodes' page from the Midas Civil Online Help manual. The browser's address bar shows the URL [http://manual.midasuser.com/EN\\_Common/Civil/835/Start/10\\_Query/Query\\_Nodes.htm](http://manual.midasuser.com/EN_Common/Civil/835/Start/10_Query/Query_Nodes.htm). The page features a navigation menu on the left with a tree structure under 'Query', where 'Query Nodes' is selected. The main content area is titled 'Query Nodes' and includes a 'Function' section with the text: 'Query the coordinates of nodes and all types of nodal attributes (loads, boundary conditions, etc.).' Below this is a 'Call' section with the instruction: 'From the **Main Menu** select **Query > Query > Query Nodes**.' and a 'Shortcut key: [F4]'.

When such visual effect errors are observed (page 4), check the coordinates of the imported nodes.

For example, →  
The coordinate values are very large.

The visual effects are due to the large distance from the Origin Point (0,0,0).



The error can be resolved by reducing the distance between the Origin Point and the model elements and nodes.

Go to the Main Menu Node/Element > Nodes > Translate. Click Select All to select every node and element and Move by an Equal Distance.

For this example, Coordinate of Node 2102: (15235727, 4614290.3, -97.5)

& Equal Distance used: (-15235727, -4614290.3, 97.5) as below.

The screenshot displays the Midas Civil 2015 software interface. The main menu is open to 'Node/Element' > 'Nodes' > 'Translate'. The 'Translate Nodes' dialog box is active, showing the 'Move' mode selected. The 'Equal Distance' option is chosen, and the 'dx,dy,dz' values are set to -15235727, -4614290.3, and 97.5. The 'Number of Times' is set to 1. The 'Model View' window shows a 3D model of a structure with a red box highlighting the coordinates of Node 2102: X=15235727, Y=4614290.3, Z=-97.5. The 'Message Window' at the bottom displays the same coordinates.

**Translate Nodes**

Start Node Number : 2779

Mode

Copy  Move

Translation

Equal Distance

dx,dy,dz: -15235727, -4614290.3, 97.5 in

Number of Times : 1

Unequal Distance

Axis :  x  y  z

Arbitrary

Distance : in

Direction Vector : 0, 0, 0 in

Merge Duplicate Nodes

Copy Node Attributes

Intersect Frame Elements

Apply Close

**Query Dialog**

Node | Element

Query | Node

Node number | 2102

**Model View**

Message Window

Node 2102

Coordinates : X=15235727, Y=4614290.3, Z=-97.5

As the distances from the Origin Point is reduced by moving every element and node, the visual effect error is no longer observed.

