

# Knowledge Base

## Information



## Plug-in utility to reset the default curve colors for XY plotting

**Portfolio / Domain:** SIMULIA Abaqus Unified FEA / SIMULIA Abaqus Unified FEA  
**Product:** n/a

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### QUESTION

I would like to change the default colors of the curves created when XY plotting. How can I do this?

### ANSWER

(The following applies to Versions 6.5 and higher.)

A plug-in that can be used to change the default colors of XY curves has been attached to this Answer. It is convenient for quickly changing the appearance of XY plots that contain multiple curves without having to alter individual XY curve options. The desired default color list can be selected by editing the attached file xyColors.py.

Save the attached files to one of the following directories:

- *abaqus\_dir*\abaqus\_plugins where *abaqus\_dir* is the Abaqus parent directory
- *home\_dir*\abaqus\_plugins where *home\_dir* is your home directory
- *current\_dir*\abaqus\_plugins where *current\_dir* is the current directory

Note that if the abaqus\_plugins directory does not exist in the desired path, it must be created. The next time Abaqus/CAE is started, a **Recolor XY Curves** button will appear in the **Plug-ins** pulldown menu.

To use the plug-in, select **Plug-ins** → **Recolor XY Curves** from the main menu bar. The curves in the existing XY plot will be re-colored according to the definition of the default color list in file xyColors.py. Additionally, any subsequent plotting operations will produce curves that use the new default definition. To restore the original defaults, select from the main menu bar **Options** → **XY Curve...** → **Defaults**.

#### Disclaimer

The attachments on this article are subject to certain usage conditions. Please [click here](#) for details.

### KEYWORDS

curve, history output, history curves, time traces, plugin, plug-in, plug in, python, 2356

### ATTACHMENT

xyColors.py

xyColors\_plugin.py

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### RATING

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