How to Edit Splines in SolidWorks/UGS/ProE

Problem
After you transfer splines (2D and 3D) that are used for, say, a Lofted Surface, you may want to edit the control points of the splines to do design changes. This document explains how to edit splines in each CAD system.

Solution in SolidWorks
1. Click RMB on a 3D sketch profile/entity in the graphic window, and select Simplify Spline.
2. Set a Tolerance and click the OK button. You can now see control points on the spline.
3. Edit the control points.

4. After arranging the control points, you can generate the surface again in SolidWorks.
Solution in UGS NX

1. Select a Sketch in the Model History and select **Edit** in the popup menu.

2. Select a spline and select **Edit** in the popup menu.

3. Edit control points on the spline.

4. After editing control points, you can generate the surface again in UGS NX.
Solution in ProE

1. Select the appropriate **Imported Feature** in the model history and select **Edit Definitions** in the popup menu.

2. Click the **Modify** icon.
3. Select an item.

4. Edit control points on the spline.

5. After editing control points, you can generate the surface again in ProE.