



Engineering

Siemens PLM NX-Spezialist

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Teileübergreifende Ausdrücke (Interpart Expressions) ab NX10 geändert

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FAQ

Interpart expressions are locked for editing in NX10?

Symptom

Interpart expressions in NX10 are displayed differently in NX10.0 and are locked preventing editing?

Hardware/Software Configuration

Platform: ALL SUPPORTED
OS: ALL SUPPORTED
OS Version: ALL SUPPORTED

Family: NX
Application: DESIGN
Function: EXPRESSION
Subfunction: INTERPART
Release: V10.0 AND UP

Solution

The mechanism for controlling interpart expressions was changed in NX10.0. If a part from earlier versions of NX containing interpart expressions is opened in NX10 or later the expressions will automatically be updated to the new mechanism.

For example,
A NX9 part might contain an interpart expression which has the name "demo" and the formula "model2>::p1.
This would mean that the expression demo is equal to the value of expression P1 taken from part model2.prt
In NX9.0 it would be possible to edit the formula directly.

When opened in NX10 the expression "demo" would automatically be changed to be equal to a new expression. For example p10 and the new expression p10 would have the formula for the interpart expression "model2>::p1.
It would be possible for the user to edit the formula the expression test but the formula for expression p10 would be locked.

To summarise the expressions in NX10 compared to NX9.0 or earlier

In NX9.0:
demo="model2>::p1

In NX10.0:
demo=p10
p10="model2>::p1 (locked)

This enhancement in NX10 was introduced to provide more control over the update of interpart expression and is essential for the support for Multi Field Keys.

Therefore, if you need to change an interpart expression formula in NX10 you will need to create a new interpart expression with the required formula and then edit the existing expression to reference the new locked interpart expression.