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## How to use the new Python module to parameterize tabular data?

pari · about 2 months ago · Question

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Hello everyone,

I want to parameterize the remote displacement value for a specific direction (Y) and a specific rotation (ROTX) only, and that too at specific loadsteps (2,3) only.

Tabular Data								
	Steps	Time [s]	<input checked="" type="checkbox"/> X [mm]	<input checked="" type="checkbox"/> Y [mm]	<input checked="" type="checkbox"/> Z [mm]	<input checked="" type="checkbox"/> RX [°]	<input checked="" type="checkbox"/> RY [°]	<input checked="" type="checkbox"/> RZ [°]
1	1	0.	0.	0.	0.	0.	0.	0.
2	1	1.	0.	10.	0.	30.	0.	0.
3	2	2.	0.	132.	0.	90.	0.	0.
4	3	3.	0.	132.	0.	90.	0.	0.
*								

Since my load is defined in a tabular form, I do not know how to parameterize it. I am aware that the new Python commands is able to do this, but unfortunately I do not have a concrete manual on how to do this. Could someone please help me in this direction?

Thank you so much.

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Post

Landon

13 days ago

```
def GetTabularData(obj):  
    obj.Activate()  
    paneTabular = ExtAPI.UserInterface.GetPane(MechanicalPanelEnum.TabularData)  
    control = paneTabular.ControlUnknown
```

```
num_columns = control.ColumnsCount+1
num_rows = control.RowsCount+1
result = []
for row in range(1,num_rows):
    r=[]
    for col in range(1,num_columns):
        r.append(control.cell(row,col).Text)
    result.append(r)
return result
```