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How to export entire time series results data to a txt file?

Liang · 8 days ago · Question

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I am running a transient dynamic analysis and have results in the form of a table at multiple time steps. I am wondering how to export the entire results data table to a .txt file using Mechanical Scripting? I have tried res.PlotData but it only contains the results at the last time step.

Thank you.

Regards,

Liang

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Post

Landon

7 days ago

Historically, this had to be done through the UserInterface object, which is not ideal. See example below. I suggest you file a Service Request with our Tech Support team to ensure there is not a better way.

```
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
```