

# ReformatSRBSprn.vbs

## Description:

This script converts the prn output file from the Slice Resultants Beams/Shells utility created when slices are taken for more than one loadcase to a csv file format. After the script has run, a comma separated values file “SRBS\_reformatted\_prn.csv” is created and this can be opened in Excel. The script should be copied in the current working directory and then run using Run Script button in Modeller. It is assumed that that the SliceResultantsBeamsShells.prn file has already been created in this location.

The advantage of using this script is that all result values will be written in continuous columns which will be very useful for any Excel post processing operations.

## Results before conversion:

Slice 7 (+Z),	70.0,	50.0,	72.5,	-5.0,	-5.91542E3,	-206.759E3,	7.22165E3,	-10.3E6,	-121.57E3,	-1.93908E6,
Slice 8 (-Z),	80.0,	60.0,	72.5,	-5.0,	-2.16598E3,	125.357E3,	8.60576E3,	-10.4116E6,	-120.937E3,	660.627E3,
Slice 8 (+Z),	80.0,	60.0,	72.5,	-5.0,	254.393,	128.701E3,	8.37317E3,	-9.68364E6,	-126.056E3,	785.531E3,
Slice 9 (-Z),	90.0,	70.0,	72.5,	-5.0,	-2.49721E3,	397.765E3,	7.96822E3,	-8.38635E6,	-139.872E3,	1.78882E6,
Slice 9 (+Z),	90.0,	70.0,	72.5,	-5.0,	-10.4229E3,	296.254E3,	8.67014E3,	-6.7606E6,	-231.755E3,	-956.377E3,
Slice 10 (-Z),	100.0,	80.0,	72.5,	-5.0,	-582.509,	283.716E3,	9.41878E3,	-5.32472E6,	-250.593E3,	-1.84545E6,
Slice 10 (+Z),	100.0,	80.0,	72.5,	-5.0,	793.292,	226.428E3,	9.68044E3,	-4.29594E6,	-242.001E3,	-2.38262E6,
Model filename: ShellTest14										
Loadcase 9:Loadcase 3										
Title	Dist	X	Y	Z	Px	Py	Pz	Mx	My	Mz
Slice 1,	10.0,	-10.0,	70.0,	0.0,	0.0,	0.0,	0.0,	0.0,	0.0,	0.0,
Slice 2,	20.0,	0.0,	72.5,	-5.0,	0.0,	0.0,	0.0,	0.0,	0.0,	0.0,
Slice 3,	30.0,	10.0,	72.5,	-5.0,	0.0,	0.0,	0.0,	0.0,	0.0,	0.0,

## Results after conversion:

Model filename: ShellTest14												
Loadcase:	Title	Dist	X	Y	Z	Px	Py	Pz	Mx	My	Mz	
8:Loadcase 3 (Copy 2)	Slice 1	10	-10	70	0	0	0	0	0	0	0	0
8:Loadcase 3 (Copy 2)	Slice 2	20	0	72.5	-5	-35.9333	1.86E+04	247.125	9.94E+04	2.29E+03	4.29E+05	
8:Loadcase 3 (Copy 2)	Slice 3 (-Z)	30	10	72.5	-5	-1.64E+03	1.20E+05	3.89E+03	6.32E+05	-9.47E+03	-3.07E+06	
8:Loadcase 3 (Copy 2)	Slice 3 (+Z)	30	10	72.5	-5	-3.48E+03	-1.97E+05	3.84E+03	5.42E+05	-4.05E+04	1.55E+06	
8:Loadcase 3 (Copy 2)	Slice 4 (-Z)	40	20	72.5	-5	-7.02E+03	-4.10E+05	3.11E+03	-7.96E+05	-2.03E+04	-2.38E+05	
8:Loadcase 3 (Copy 2)	Slice 4 (+Z)	40	20	72.5	-5	-7.50E+03	-4.32E+05	1.91E+03	-3.02E+06	-8.67E+04	8.19E+05	
8:Loadcase 3 (Copy 2)	Slice 5 (-Z)	50	30	72.5	-5	-2.69E+03	-4.34E+05	3.03E+03	-5.16E+06	-1.32E+05	-6.82E+03	
8:Loadcase 3 (Copy 2)	Slice 5 (+Z)	50	30	72.5	-5	2.39E+03	-1.14E+05	6.11E+03	-6.43E+06	-8.20E+04	1.32E+06	
8:Loadcase 3 (Copy 2)	Slice 6 (-Z)	60	40	72.5	-5	2.96E+03	-1.06E+05	7.28E+03	-6.65E+06	-7.72E+04	4.06E+06	
8:Loadcase 3 (Copy 2)	Slice 6 (+Z)	60	40	72.5	-5	-2.66E+03	-2.69E+05	3.26E+03	-7.62E+06	-7.74E+04	2.14E+06	
8:Loadcase 3 (Copy 2)	Slice 7 (-Z)	70	50	72.5	-5	-3.14E+03	-1.81E+05	6.96E+03	-9.11E+06	-1.05E+05	-1.13E+06	
8:Loadcase 3 (Copy 2)	Slice 7 (+Z)	70	50	72.5	-5	-5.92E+03	-2.07E+05	7.22E+03	-1.03E+07	-1.22E+05	-1.94E+06	
8:Loadcase 3 (Copy 2)	Slice 8 (-Z)	80	60	72.5	-5	-2.17E+03	1.25E+05	8.61E+03	-1.04E+07	-1.21E+05	6.61E+05	
8:Loadcase 3 (Copy 2)	Slice 8 (+Z)	80	60	72.5	-5	254.393	1.29E+05	8.37E+03	-9.68E+06	-1.26E+05	7.86E+05	
8:Loadcase 3 (Copy 2)	Slice 9 (-Z)	90	70	72.5	-5	-2.50E+03	3.98E+05	7.97E+03	-8.39E+06	-1.40E+05	1.79E+06	
8:Loadcase 3 (Copy 2)	Slice 9 (+Z)	90	70	72.5	-5	-1.04E+04	2.96E+05	8.67E+03	-6.76E+06	-2.32E+05	-9.56E+05	
8:Loadcase 3 (Copy 2)	Slice 10 (-Z)	100	80	72.5	-5	-582.509	2.84E+05	9.42E+03	-5.32E+06	-2.51E+05	-1.85E+06	
8:Loadcase 3 (Copy 2)	Slice 10 (+Z)	100	80	72.5	-5	793.292	2.26E+05	9.68E+03	-4.30E+06	-2.42E+05	-2.38E+06	
9:Loadcase 3	Slice 1	10	-10	70	0	0	0	0	0	0	0	0
9:Loadcase 3	Slice 2	20	0	72.5	-5	0	0	0	0	0	0	0
9:Loadcase 3	Slice 3	30	10	72.5	-5	0	0	0	0	0	0	0
9:Loadcase 3	Slice 4	40	20	72.5	-5	0	0	0	0	0	0	0

## Note:

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