Instructions

automated data collection on output database files

1 Download python files from OneDrive/Results/Python Auto Data Collection

2 Download .odb files that need data extraction into a single location

3 Open Anaconda.navigator and Spyder then open the file AutoCollection.py

The function “bulge” was originally set up to get the data for anterior disc bulge. It can be modified to get whatever data is needed. The code for updating the function is automatically generated when manually extracting data in Abaqus CAE and can be found in the .rpy file.

* 1. Change the work directory on line 41, 44, 46, 49, 50, 55, 60 to whatever you put the .odb files and where you want them to go. (More detailed comments on each in .py script)
  2. Change the node list to suit the metric you want to get data for
  3. Save changes as a new .py file

4 Open Abaqus CAE

1. File - Run Script – Select the .py file saved from step 3c
2. The old and upgraded .odb files that are created will be printed to the command line, and the .csv files will be stored in the file path specified in step 3a