



BP SOLUTIONS

pdfPost Tutorial

Batch Mode

This tutorial shows how to use batch mode and create XML batch configuration files. Batch mode allows to generate PDFs from multiple configuration files at once and to run pdfPost from FEA software (ANSYS, feMAP).



1. Input files

- a. Following pdfPost input files should be available in Tutorial6_Files.zip folder:
 - i. Geometry files – batch.elem, batch.node, batch.cm;
 - ii. Result files – batch.VONM, batch.SX, batch.SY, batch.def;
 - iii. XML Configuration files – batch1.xml, batch2.xml;
 - iv. XML Configuration batch – batch.xml;
 - v. Windows batch file – go.bat;

2. XML configuration batch

- a. To use batch mode in pdfPost, special XML Configuration batch needs to be created. This file contains location of the standard pdfPost XML Configuration files.
 - i. Open batch.xml (using XML or text editor);
 - ii. Modify “FileName” attributes to match the location you have unzipped the tutorial files to;

3. Processing XML configuration batch

- a. To process XML configuration batch, pdfPost needs to be run with two parameters:
 - i. batchPath: location of the XML configuration batch;
 - ii. batchClose: set to True will cause pdfPost to stay open after processing XML configuration batch. Use False to close pdfPost automatically;
- b. There are several ways to run pdfPost with parameters in Windows environment:
 - i. .bat file –file containing path to the pdfPost and parameters in plain text (example provided as go.bat);
 - ii. shortcut – create shortcut to the pdfPost.UI.exe. Then, Right-click -> Properties -> Shortcut tab. Modify “Target” field to include parameters;
 - iii. console – type cmd in Windows search field to run console. Type in location of the pdfPost.UI.exe with parameters;
 - iv. in i – iii cases, path with parameters should look like this (please check if paths match locations on your computer):
`"C:\Program Files\BPSolutions\pdfPost x64\pdfPost.UI.exe" batchPath="E:\Tutorial 6 - Batch Mode\batch.xml" batchClose=True`
- c. To run pdfPost in batch mode using APDL, /SYS command should be used;
`/SYS, "C:\Program Files\BPSolutions\pdfPost x64\pdfPost.UI.exe" batchPath="E:\Tutorial 6 - Batch Mode\batch.xml" batchClose=True`
- d. To run pdfPost in batch mode using feMAP VBA library, Shell function should be used;
Call Shell("C:\Program Files\BPSolutions\pdfPost x64\pdfPost.UI.exe batchPath=E:\Tutorial 6 - Batch Mode\batch.xml batchClose=True", vbNormalFocus)