Workshops for "Intro to Workbench Framework Scripting"

by **Eric Miller**   March 8, 2012   9:16 am   **Leave a comment**   **The Focus**

```
# encoding: utf-8
SetScriptVersion(Version="13.0")
system1 = GetSystem(Name="SYS 1")
engineeringData1 = system1.GetContainer(ComponentName="Engineering Data")
mat1 = engineeringData1.GetMaterial(Name="Structural Steel")
mat1Prop1 = mat1.GetProperty(Name="Density")
mat1Prop1.SetData(
    Variables=["Density"],
    Values=[["8000 [kg m^-3]"]])
```

At noon Phoenix time today we will be presenting the Webinar "Intro to Workbench Scripting: Controlling Projects, Materials, and Solution Execution with Python" This is a very high level, and probably short, introduction to the basics of using the python scripting in Workbench.

To support the talking, I've put together four workshops, mostly based on ANSYS material or examples we have presented before here on the Focus. They should be enough for anyone that is a good programmer or better to customize the Workbench Framework. We also present it here as a tool for those who don't attend the webinar (and as this weeks Focus posting, cause we didn't have time to write one…)

Warning: These were done in a hurry between meetings and some travel… so they are not great from a grammar or typo standpoint. Regardless, we hope you find them useful.

The files you need to run them are in this zip file:

PADT-Intro-to-Workbench-Workshop-2012_03_08.zip

The Workshop Document is here:

Intro-to-Workbench-Framework-Workshops-2012_03_08.pdf

We hope to add to this document over the next year or so and provide it as a more or less complete tutorial for those who want to automate their analysis.

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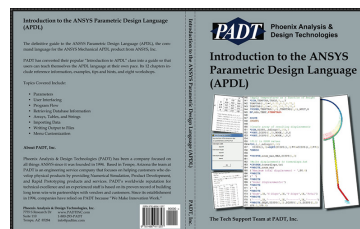in Ansys 2022 R1 - Webinar

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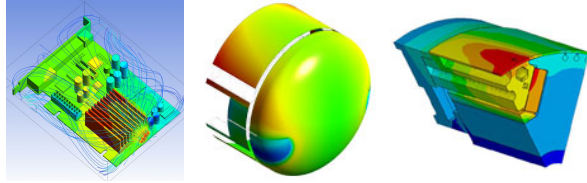Now available on Kindle as well as paperback.

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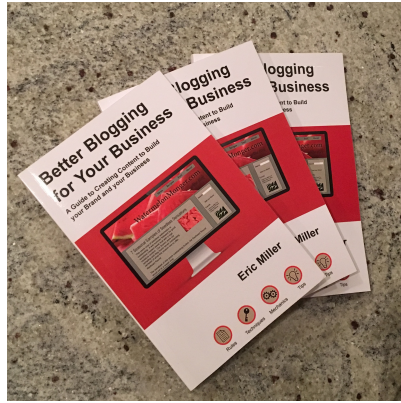
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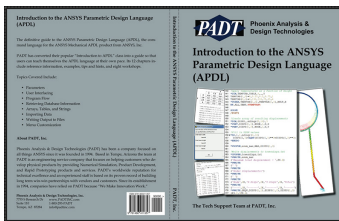
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