User Tool Upgrades – Pygmalion Status and RGUI Station

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RELAP5 International Users Seminar

Date: September 12, 2013





Introduction: Updates and Upgrades

- PYGMALION Enhancements/Bug Fixes
- RGUI Station Conversion to JAVA
- RGUI Station Demo



PYGMALION A RELAP5-3D User Aid Program Bug Fixes

- Bug fixes
 - Pump and valve data not being copied to new input file
 - B option (NOTE)
 - -B stops ignoring blanks in the front of a line
 - Informational cards get copied/ ignored correctly
 - Spaces in front of components cause values to not be copied to the output files
 - Don't places spaces in front of component card definitions





PYGMALION A RELAP5-3D User Aid Program Enhancements

- Added ability to read 4 Byte XDR plot file formats (maintained 8 Byte)
- Java RGUI upgrade require changes to PYGI I/O
 - Standard IO < > redirects don't work with Java
 - Add command line options to indicate input (-i) and output (-o) files
- Updated PIB files
 - With Ken Jones' fix
- Updated Manual





edhtrk.i

Plot file type:

newedhtrk

Clear Cancel Run

RGUI Conversion

- Originally written in Tcl/TK
- Now Java 1.6 or greater
- Develop in Two Phases
 - RGUI Station (RELAP5, PYGI, Plotting, Building)
 Done?

Pygmalion Session 1 File Select Reset Help

i Input File

o Output File

-B Forces PYGI to examine records that start with a blank

 C Inhibits PYGI from changing control variable initial conditions I Indicates that the input file is a RELAP5/MOD1 input deck -O Forces PYGI to create a RELAPS/MOD1 input deck as output

..\run

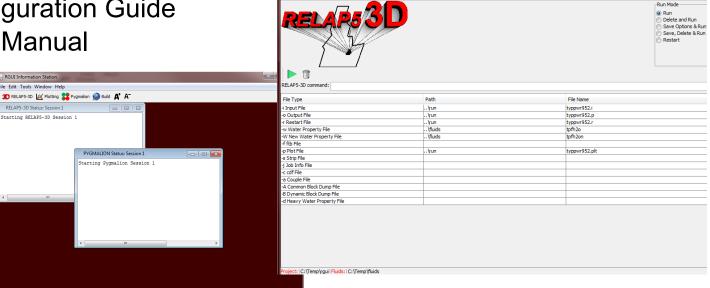
Normalized Truncation:

Isometric Image (Stick figured, 3D Pipes) More To Come!

Documentation

Configuration Guide

- Help Manual





RGUI DEMO



Conclusions

- PYGMALION has been upgraded:
 - Enhanced Error messages
 - -i -o input flags
 - 4 Byte XDR
 - Documentation
- RGUI Station
 - RELAP5
 - PYGI
 - User Selected Plotting and Build Tools
 - Documentation
 - Tested on Windows and Linux