Transient Conduction - Verification & Validation

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Problem Specification

- 1. Pre-Analysis & Start-Up
- 2. Geometry
- 3. Mesh
- 4. Physics Setup & Numerical Solution
- 5. Numerical Results
- 6. Verification & Validation

Exercises

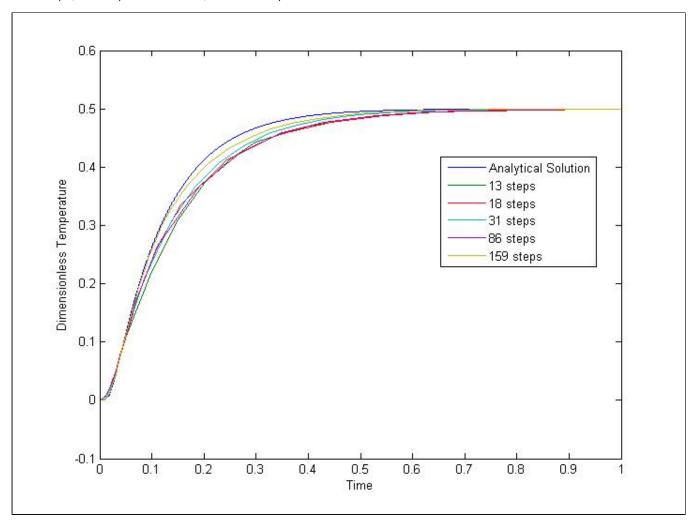
Comments

Verification & Validation

Transient Refinement

By now, you should know that refining meshes is important for getting an accurate result for the problem specification. For Transients, time becomes a similar refinement problem in addition to the mesh refinement.

As an example, here is a plot of time at x=.5, with the timesteps altered.



Here is the data for the numerical solutions:transient 2D.xlsx

Go to Exercises

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