Using Prism Code
4 Loop PWR Simulator

• Accidents
  – Stuck open PORV
  – Stuck open PORV with feedwater blocked
  – Steam Generator Tube Rupture
  – Steam line break – 1 and 2 lines
  – ATWS events
  – Rod Ejection

• Transients
  – Turbine Trip
  – Loss of main coolant pump
Task for Class

• Predict what will happen in terms of pressure, temperature, sequence of events, final safety status.

• Homework

Go to recitation section and learn how to use PRISM and then run transient simulations filling out data sheets.
22.091 Nuclear Reactor Safety
Spring 2008

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