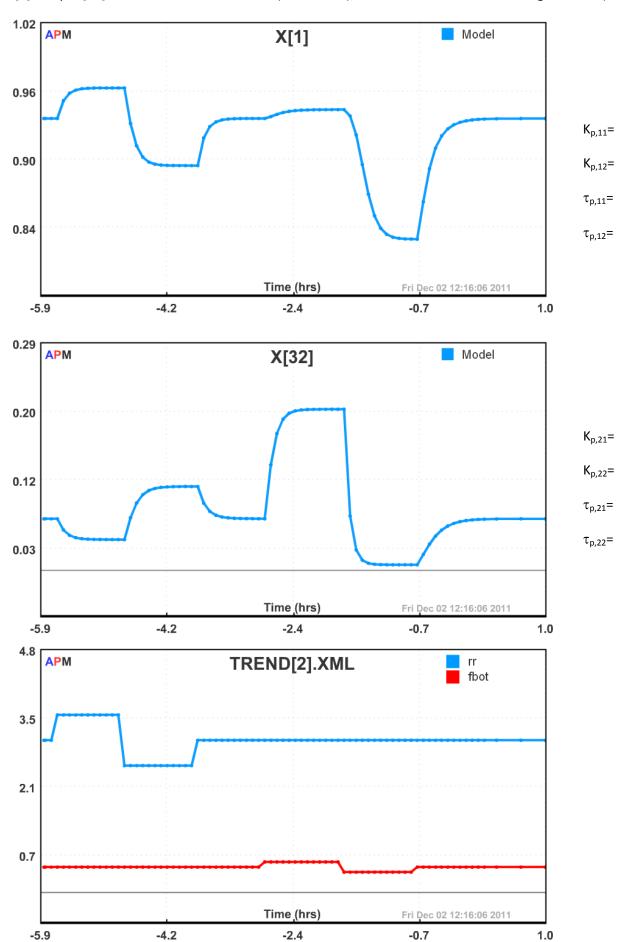
Process Control 436 - Example 1: Calculate transfer functions for distillation column model response.

X[1] = Top, X[32] = Bottom, RR = Reflux Ratio (3-3.5-2.5-3), Fbot = Fraction of Feed Leaving Bottoms (0.5-0.6-0.4-0.5)



Distillation Column Model

- Groups of 2
- Two Components
- Constant Relative Volatility
- Constant Tray Molar Holdup
- Liquid Feed at the Bubble Point
- 30 Trays, Reboiler, and Condenser
- Manipulated Variables
 - RR Reflux Ratio
 - FBOT Fraction of Feed Leaving at Bottoms Product
- Controlled Variables
 - x[1] Composition for Overhead Product
 - x[32] Compositions of Bottoms

