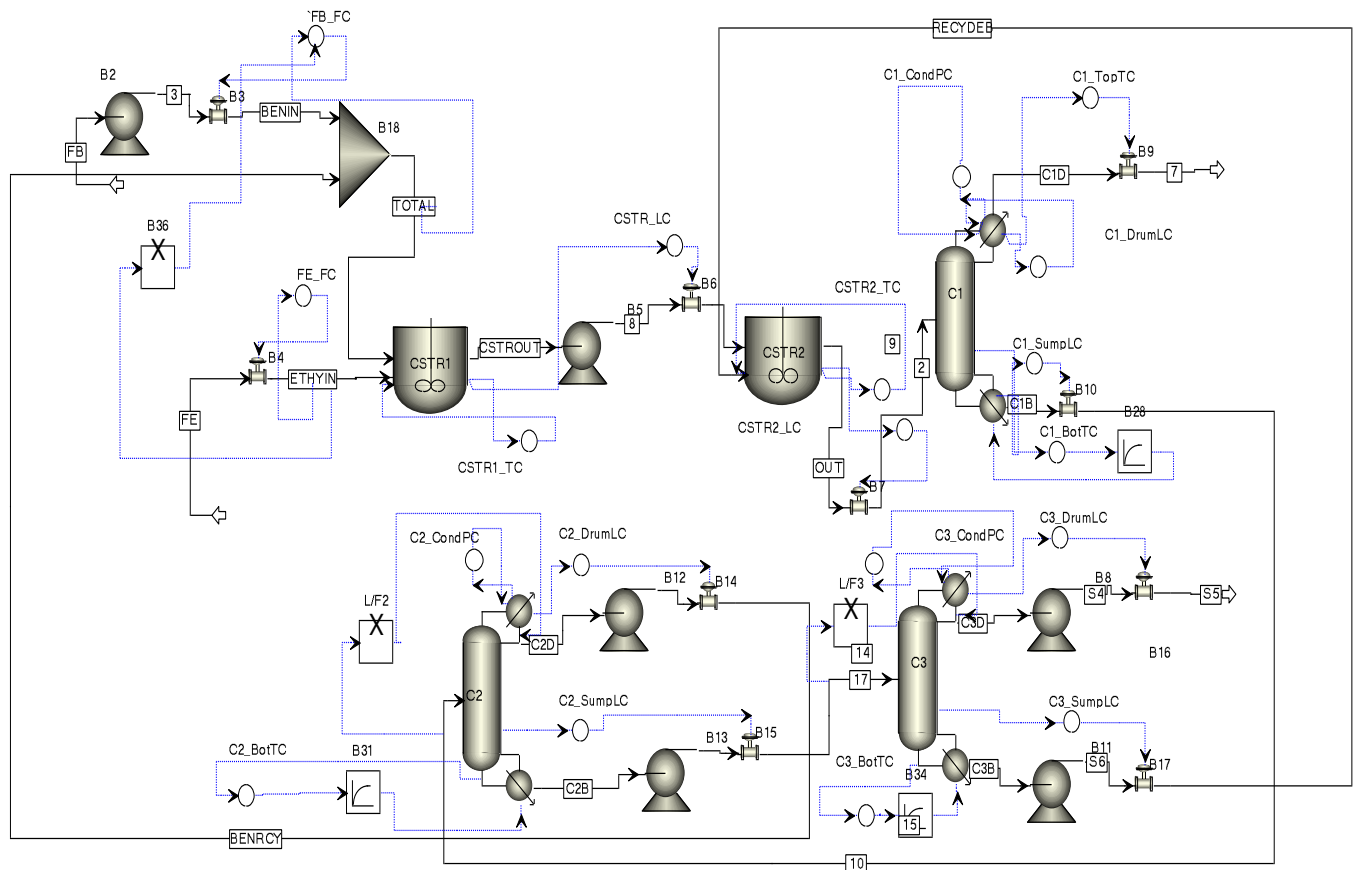


CHE352 SIMULATION LAB 11

Name: Bhavishya Gupta

Roll: 220295

PART 1



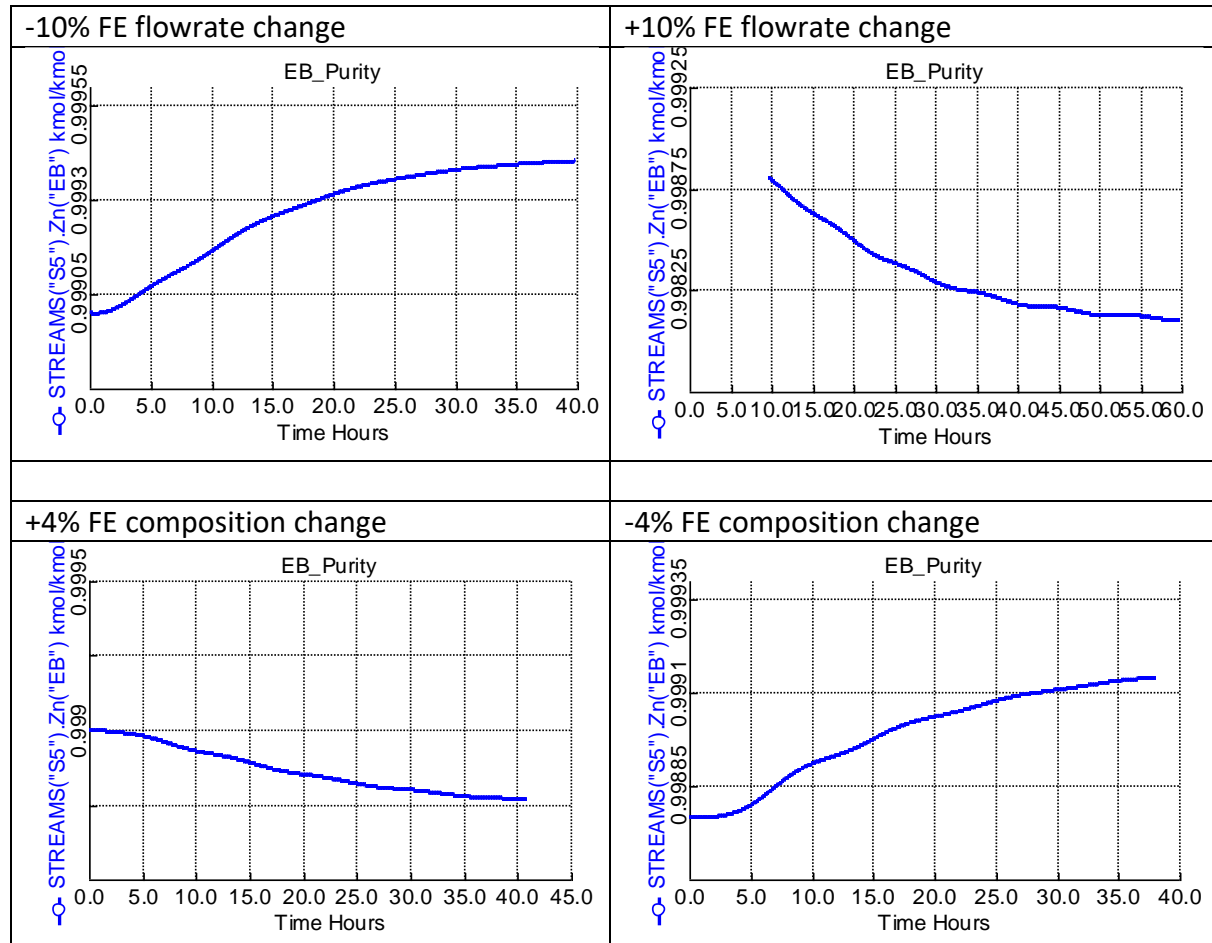
PART 2

CONTROLLER	CONTROL TYPE	ACTION	K _c	τ _i (min)
C1_ConcPC	Ziegler-Nicholes	Reverse	90.6326	1
C2_ConcPC	Ziegler-Nicholes	Reverse	73.4499	1
C3_ConcPC	Ziegler-Nicholes	Reverse	60.0014	1
CSTR1_TC	Tyres-Luyben	Reverse	14.5057	9.24
CSTR2_TC	Tyres-Luyben	Reverse	105.3682	11.88
C1_TopTC	Tyres-Luyben	Reverse	0.1133	11.88
C1_BotTC	Tyres-Luyben	Reverse	3.9789	7.92
C2_BotTC	Tyres-Luyben	Reverse	11.156	6.6
C3_BotTC	Tyres-Luyben	Reverse	83.53	3.96

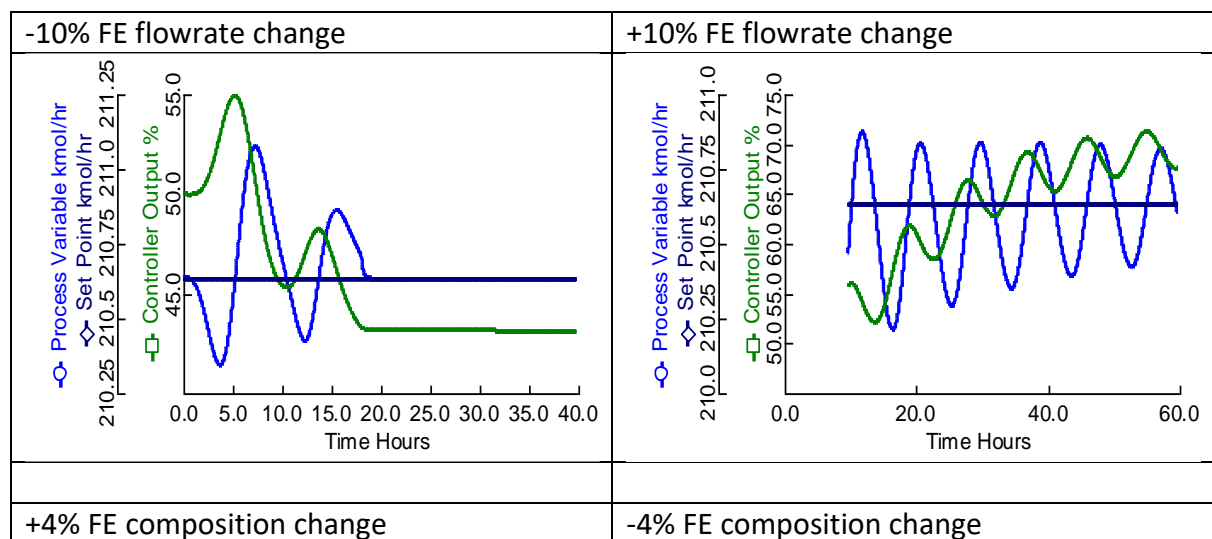
PART 3

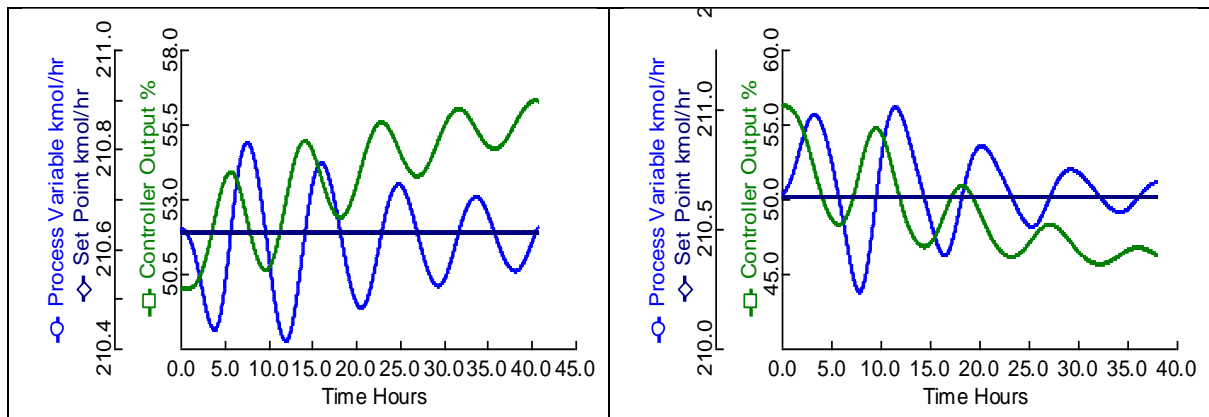
TPM: Fresh Ethylene, FE Flowrate

Ethyl Benzene Purity

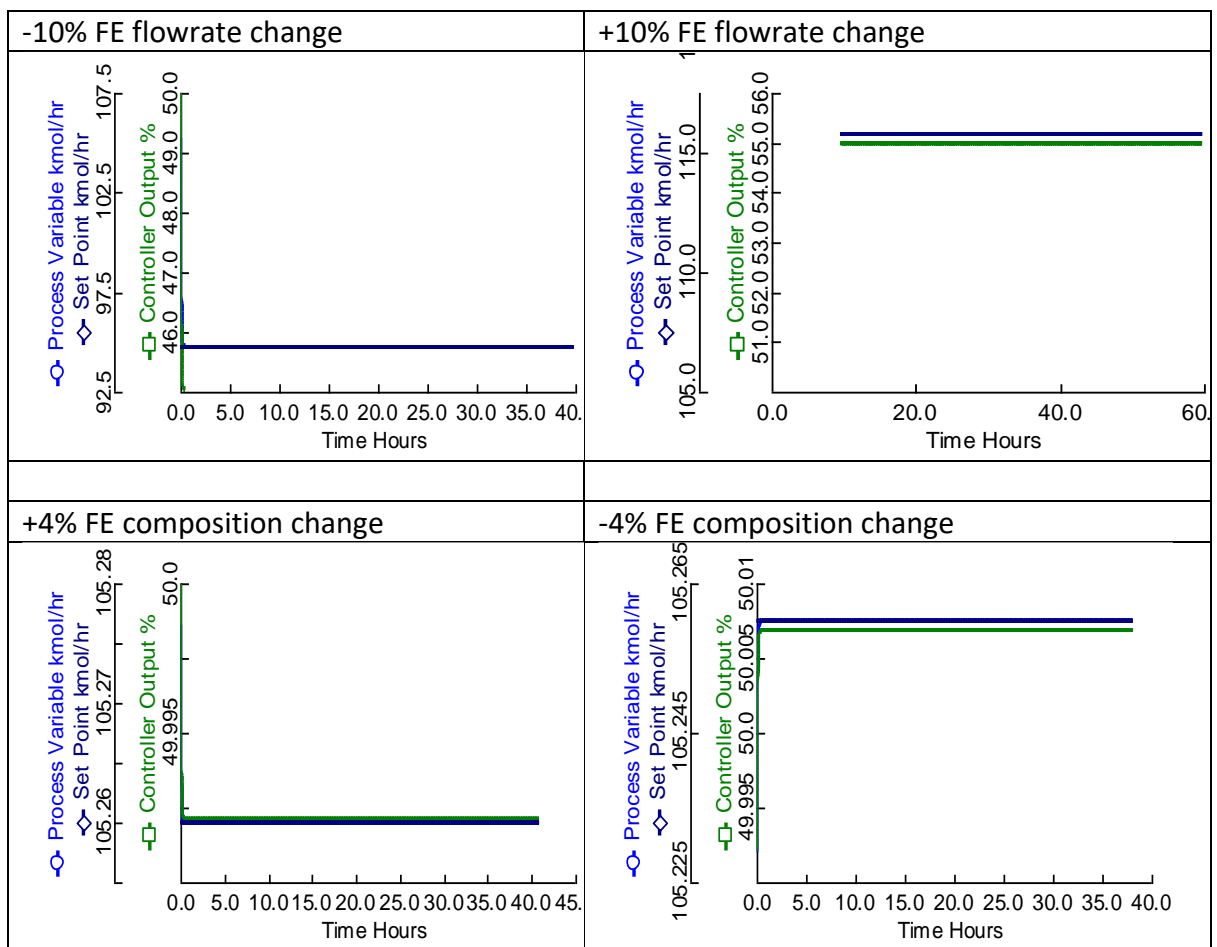


Fresh Benzene Flow Control

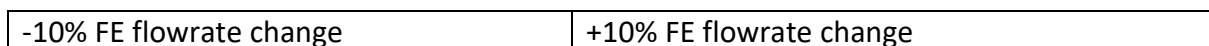


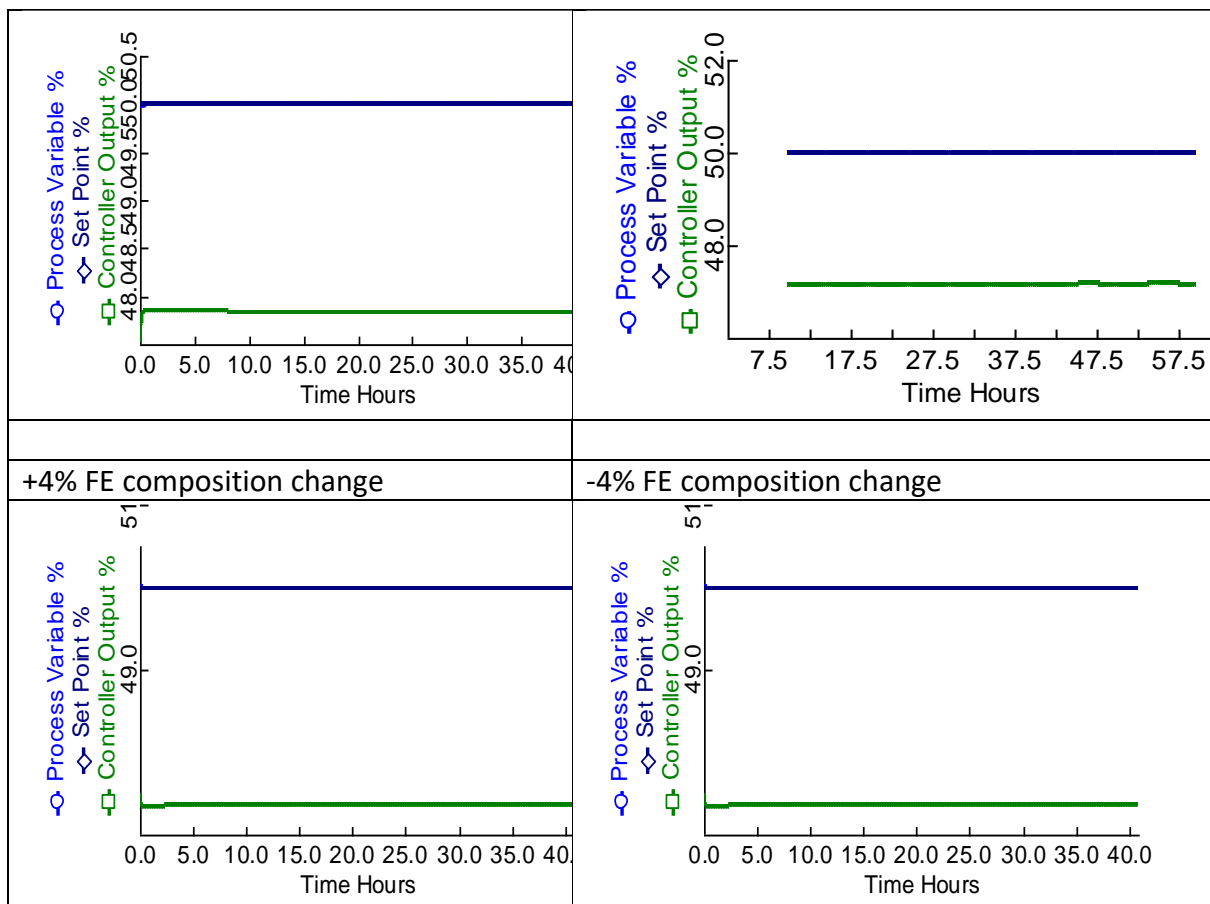


Fresh Ethylene Flow Control

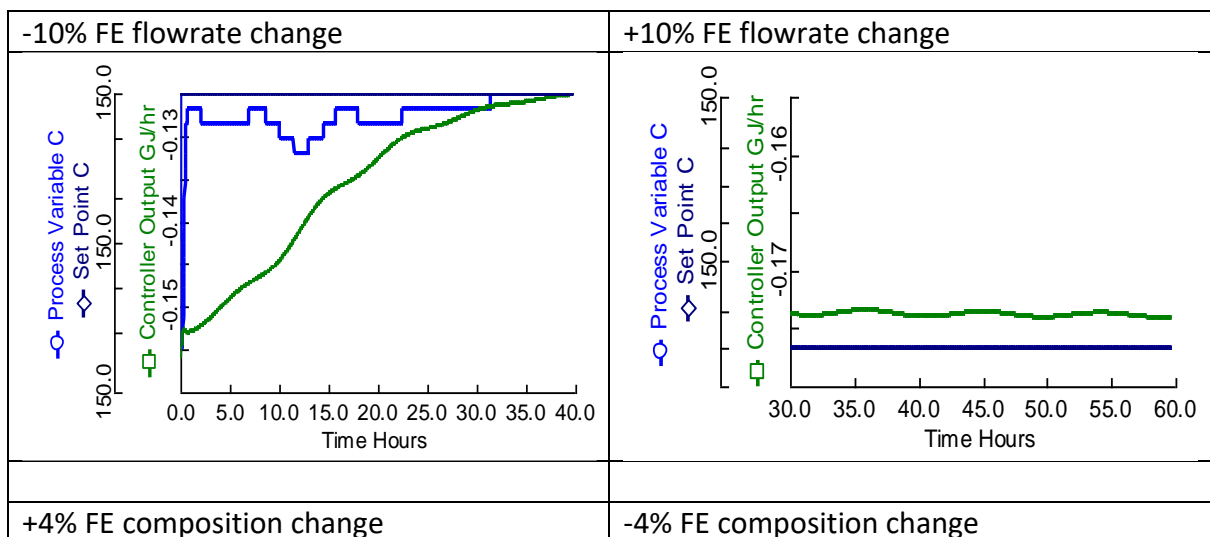


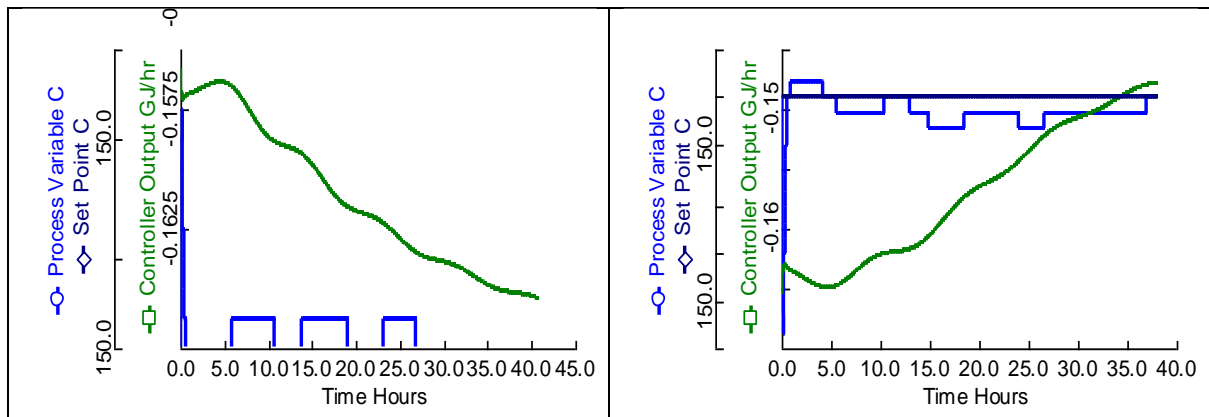
CSTR 1 Temperature Control



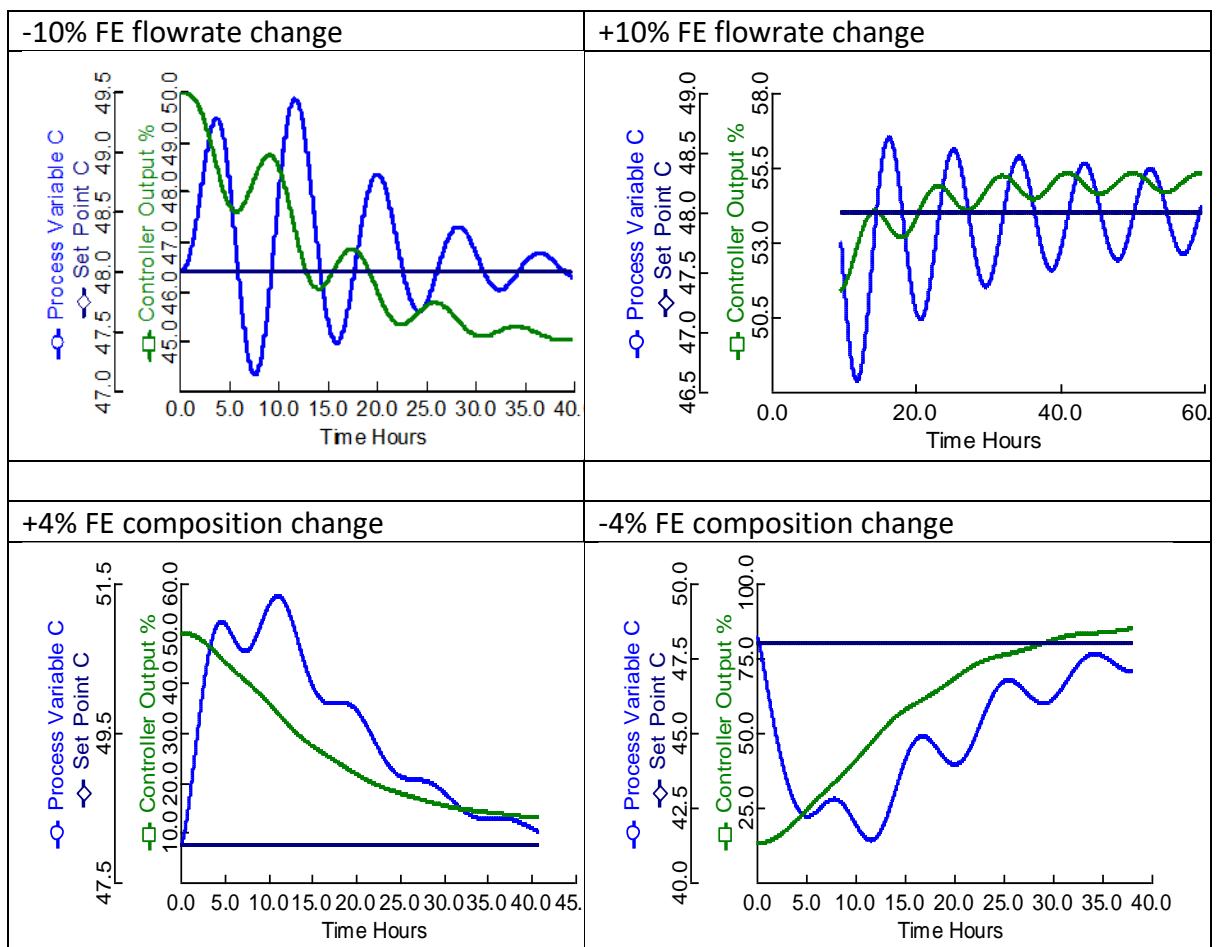


CSTR 2 Temperature Control

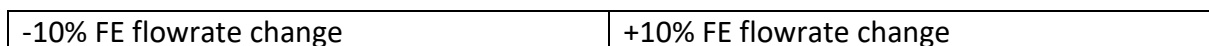


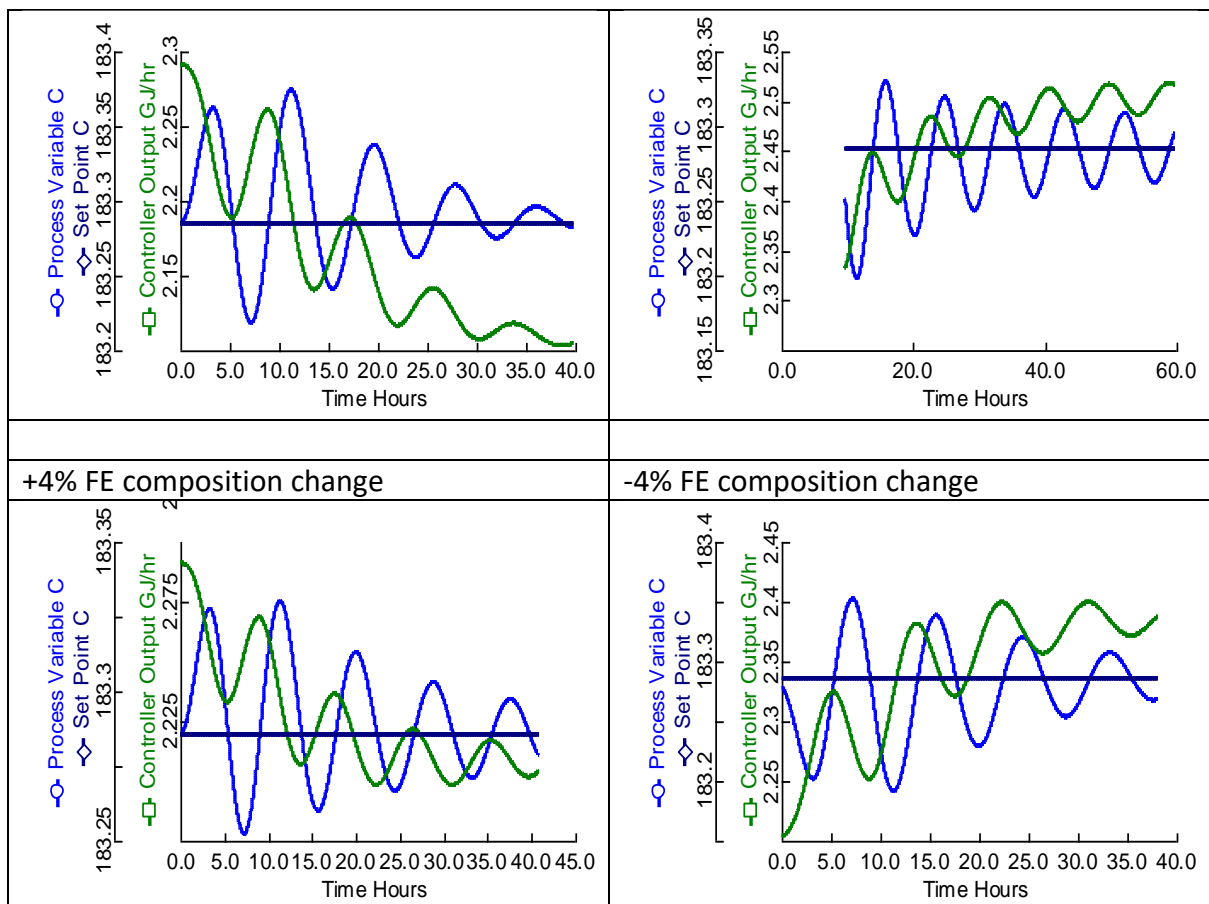


Column 1 Top Temperature Control

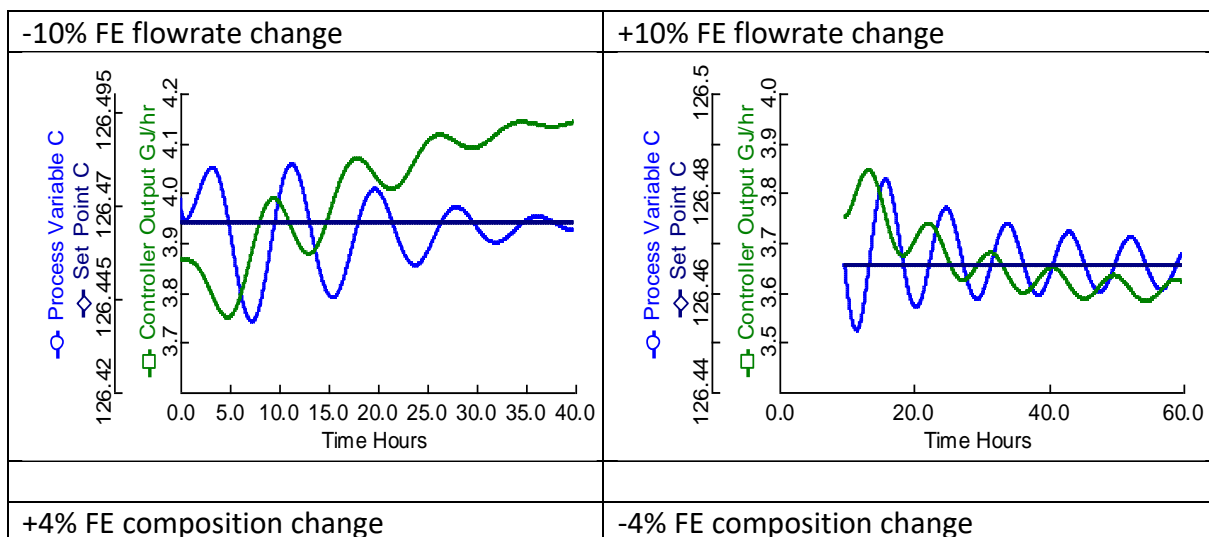


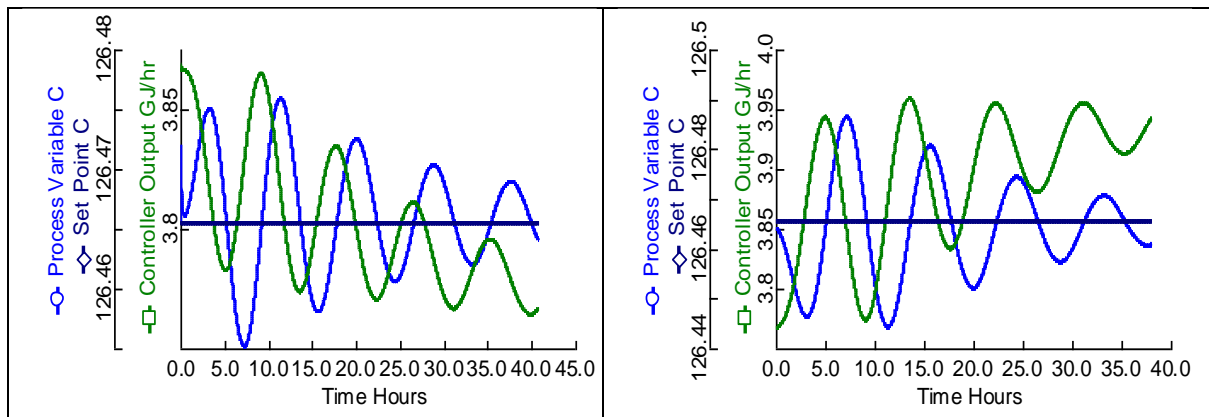
Column 1 Bottoms Temperature Control





Column 2 Bottoms Temperature Control





Column 3 Bottoms Temperature Control

