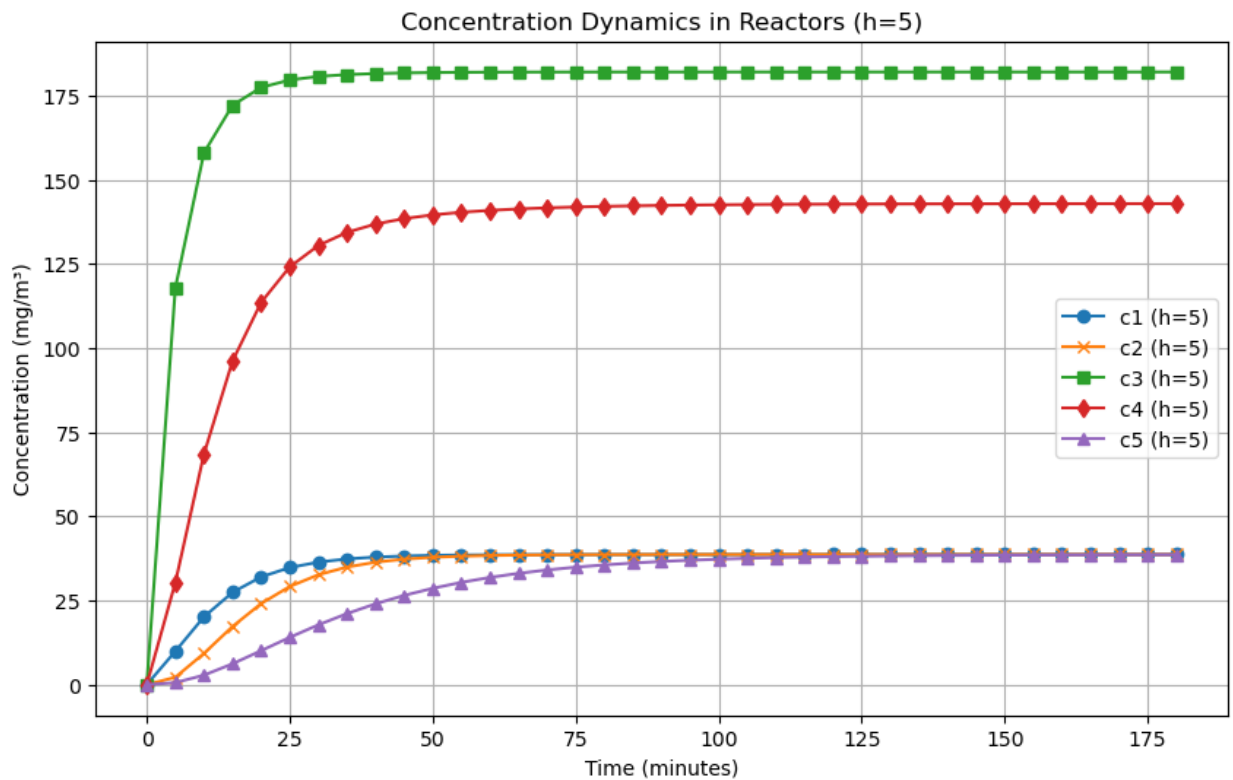


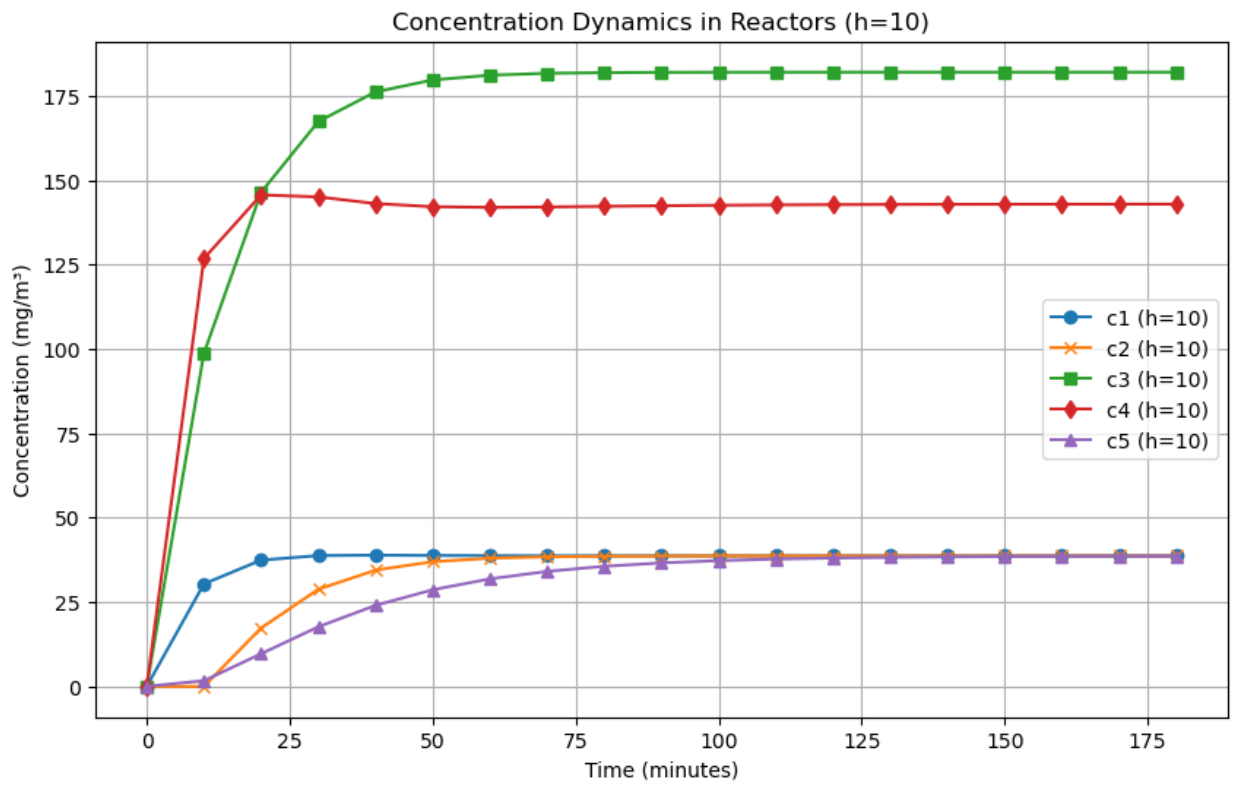
Assignment7 - CL249

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- Assignment 6
- CL249

Q1:





---- Time Step h = 5 ----

Iteration 1 with time step h=5:

t = 5.0 minutes

c1 = 4.3737, c2 = 1.3410, c3 = 11.8198, c4 = 3.0709, c5 = 0.3395

Iteration 2 with time step h=5:

t = 10.0 minutes

c1 = 7.2606, c2 = 3.8558, c3 = 15.9760, c4 = 7.0594, c5 = 1.2067

---- Time Step h = 10 ----

Iteration 1 with time step h=10:

t = 10.0 minutes

c1 = 8.1788, c2 = 3.7062, c3 = 9.7422, c4 = 12.8637, c5 = 1.0813

Iteration 2 with time step h=10:

t = 20.0 minutes

c1 = 10.5567, c2 = 7.6433, c3 = 14.9474, c4 = 15.5268, c5 = 3.5111

Q2 :

