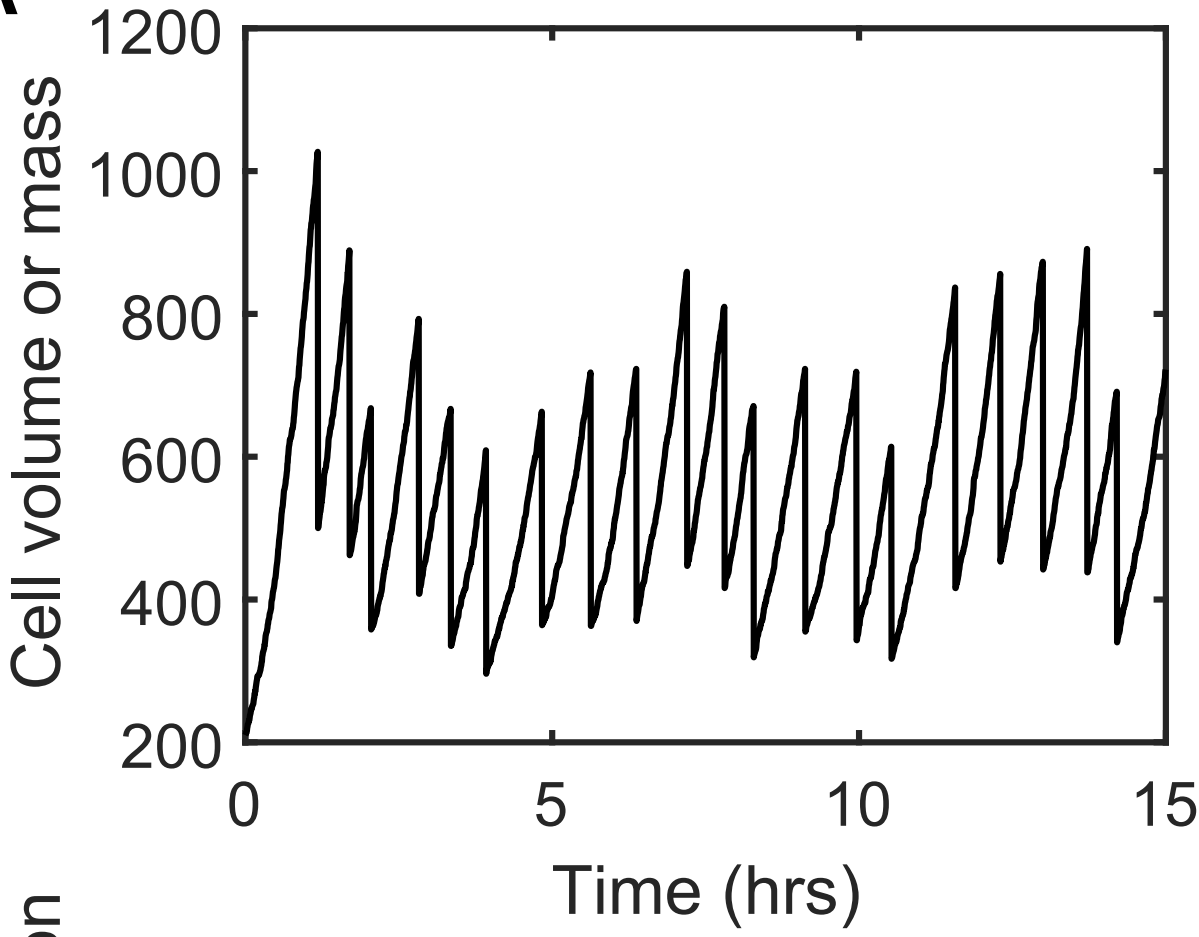
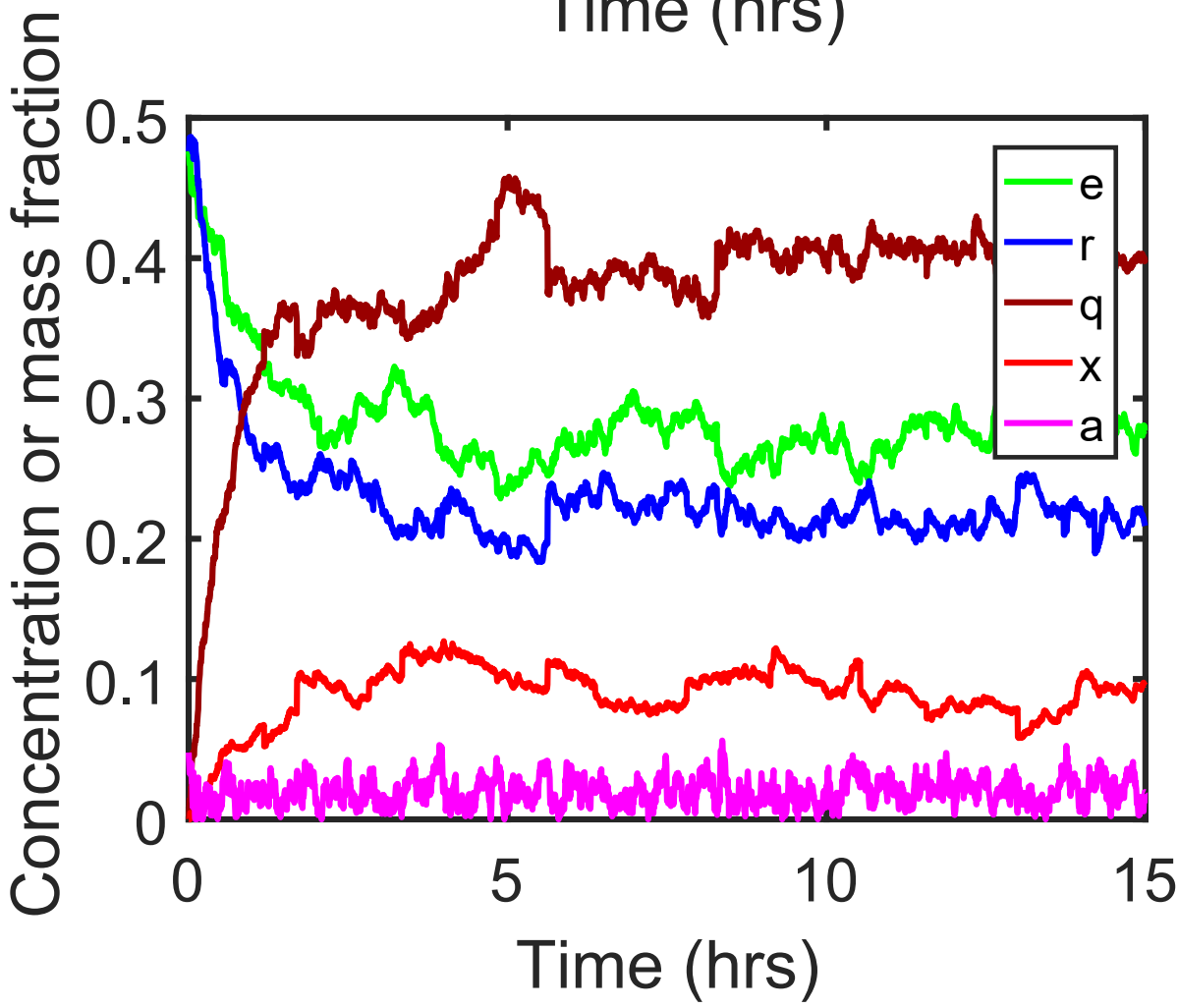
A


1200
1000
800
600
400
200
Cell volume or mass
0
5
10
15
Time (hrs)


0.5
0.4
0.3
0.2
0.1
0
Concentration or mass fraction
e
r
q
x
a
0
5
10
15
Time (hrs)