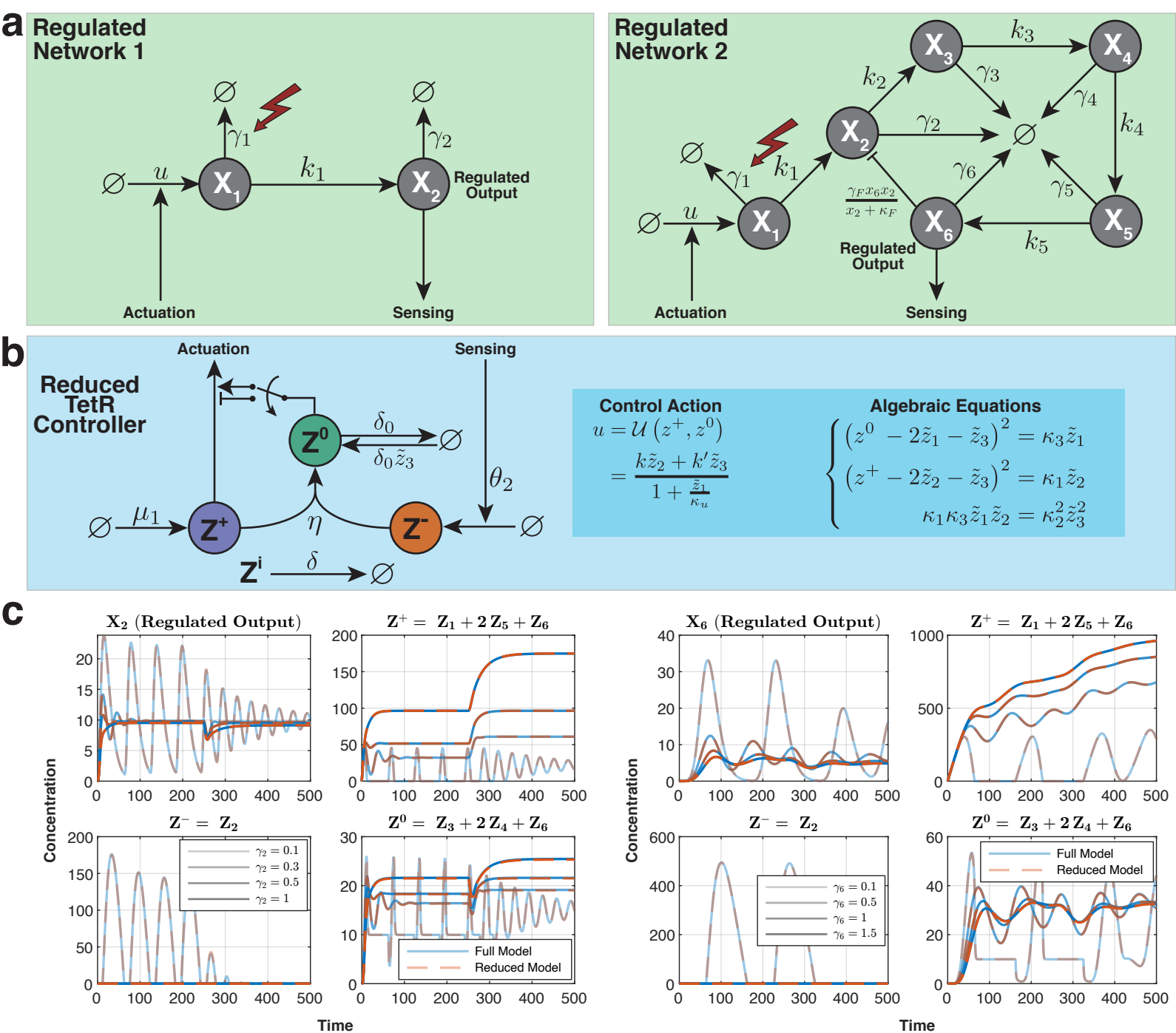
a
Regulated Network 1
Actuation
Sensing
Regulated Output
Regulated Network 2
Actuation
Sensing
Regulated Output
b
Reduced TetR Controller
Actuation
Sensing
Control Action
Algebraic Equations
c
X2 (Regulated Output)
Z+ = Z1 + 2 Z5 + Z6
Z− = Z2
Z0 = Z3 + 2 Z4 + Z6
X6 (Regulated Output)
Concentration
Time
Full Model
Reduced Model