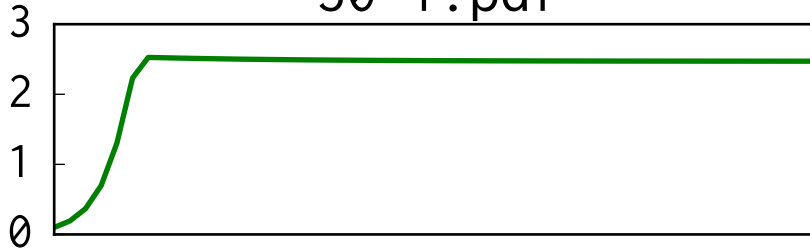


50-1.pdf

X, g/L

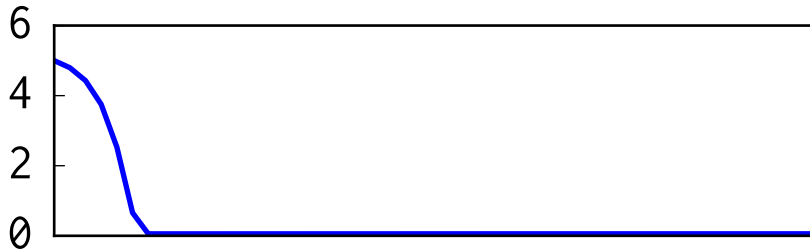


$X_0 = 0.100$ g/L

$S_0 = 5.000$ g/L

$D = 0.100$ 1/h

S, g/L



$D_{max} = 0.741$ 1/h

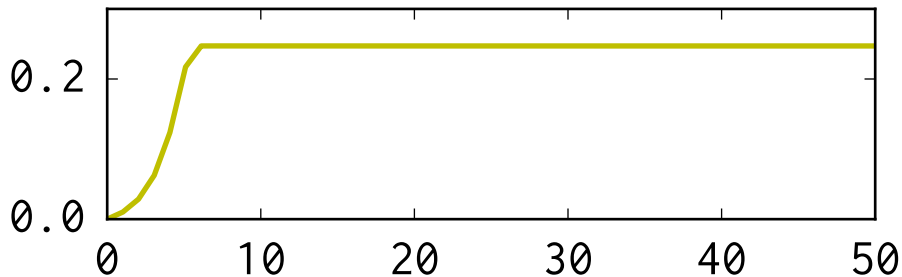
At steady state:

$X = 2.471$ g/L

$S = 0.057$ g/L

$P = 0.247$ g/L

P, g/L



$D \cdot X = 0.247$ g/(L h)

conv. S = 98.9%

$D \cdot P = 0.025$ g/(L h)

Fermentation time, h