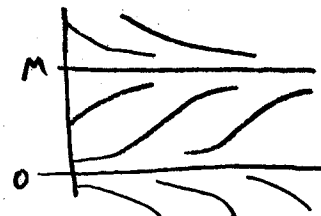


Week 4 summary:

• Mixing problems: $x'(t) = (\text{rate in}) - (\text{rate out})$.

• Logistic equation: $y' = ry(1 - \frac{y}{M})$, $y(t) = \frac{M}{1 + Ce^{-rt}}$



Add an "extinction threshold:"

$$y' = -ry(1 - \frac{y}{M})(1 - \frac{y}{T})$$

