S : potential protestors

I : new protestors

C : mature protestors

R : retired professor

$\omega(I, C)$ = per capita retirement rate of mature protestors

* The equation does not take into account social dynamics when transferring bins.

δ_2 = withdrawal rate for experienced protestors

δ_1 = withdraw rate for new protestors

$\delta_0 = \delta_2 - \delta_1$

χ = rate of new protestors turning into mature protestors

γ = rate of retired protestors turning into

β_1 = attractiveness to become protestors from new protestors

β_2 = attractiveness to become protestors from mature protestors

$$\omega(I, C) = \delta_2 + \delta_0 \frac{C_0^n}{(I+C)^n + C_0^n}$$