Dimensional analysis

 $f_i(R) = \frac{a_i R^{\bullet i}}{1 + a_i d_i R^{\bullet i}}$ 

INTRA-AHNUAL

where: ai = /day

R = grams of resource

di = (days)(biomass)

21. Sept, 2012 (from 13-15 August 20

To fino ! )

1/2 Pgs

= (grams of resource) (/days) (grams of resource) (/days) di

18 = [cifi(2)-mi] B;

= [biompss (grands of resource) - 1
gramskiesource (days) (bijonnass) - day bromans

= [day - day] biomass = biomass day

= \( \frac{1}{2i} = \) grams of resource (days) (biomass)

Ci = biomass
grams of resource

fi(R) = grams of R (day) (biomass)

mi = /day

Bi = biomass

E = /day

dr = - Efi(R)Bi-ER

= grams of resource (biomass) - day (grams of resource)
(days) (biomass)

grams of resource days = - grams of resource

grams of resource

Dimensional analysis (from 13-15 Aug 20) To = day INTERANNUAL " = day  $g_i = G_i e^{-h(\tau_i - \tau_i)^2}$ h = 1/day2 G = unitless = e-/dayz (day-day) = [unitless] Ni (t) gipi [biomass] Ni = seeds gi = unitless

Seeds
$$N_i = \text{seeds}$$

$$g_i = \text{unitless}$$

$$\phi_i = \text{biomass}$$

21. Sept. 2012

(seeds) (bioghass) (biomass) = | seeds

Si = unitless N; (++1) = s; (N; (+) (1-g;) + N; (+) g; p; (biomass)

= seeds + seeds => hurrah!