Parameters

box-vol = 1.5 m³
flow-rake = 1.8 m³
t-din-0 = 0.0005 mol
m³
t-fuc-0 - 0.010 20 mol

kon-dia-fuc = 0.0002 ms/

fuc - gran - gam = 3.25.10 -6 mol

 $mu_{-0}-fuc = 0.477 d^{-1}$ $resp_{-0}-fuc = 0.0017 d^{-1}$

Gammarus grating

750 md Vol=1,5m3 500 m3

15 mg FM/md.d (austatt FM)

* 500 had

-> = 7500 mg FM

= 7.5 8 FM w3.d

= 11.3 ruel

mil 0,7 mg FM jud d = 0,09 punol

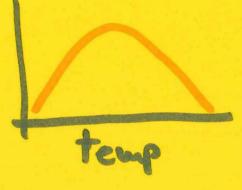
Units

$$1 \frac{\text{mol}}{\text{m}^3} = 1 \frac{\text{muol}}{2}$$

$$\frac{1 \text{ mol}}{\text{m}^3} \cdot 1e^3 = 1 \frac{\text{muol}}{\text{m}^3}$$

Quadratic Model

f (temp) = Xo + Xq. femp + Xz temp



R: lm (y~x+Ix2)

ano-temperature rule

for respiration

Unit check of process equations

- DIN import lexport

[m3]-[m3-d]

[m3-d]

Fucus N-assimilation

[a] · Fr · Forn · [mol] - [mol]

[a]] - [mol]

- Fucus respiration
[A] · Fr · [md]] = [mold]

[A] · Fr · [ms]] = [ms.d]

- 6ammarus grazins
[ms]. [mol]. Fr = [mol]

Conversion factors Fucus

-molar mass N = 14 mol

- N-content =
$$\frac{1.89}{10080M}$$

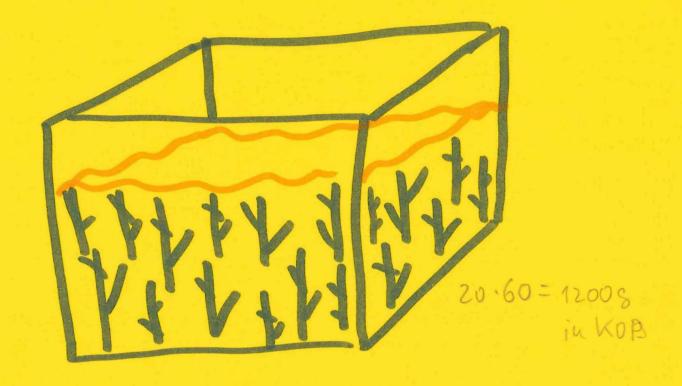
= $\frac{0.129 \text{ mol}}{10080M}$

3 1mol = 775 g DM

- Water content = 80.5% 100g FM = 19.58 DM 180N = 5.13 FM

7 1 mol = 4000 5 FM

Fucus in Kob



= 0.015 mal in 1.5 m³ water

= 0.010 mod

in Kob:

20.0.010 mol

