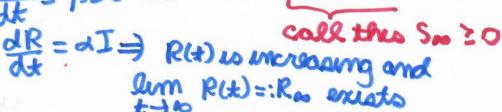
SIR modelo S- Succeptible I: Injected is and Exposed combined R: namound/recovered Induviduals who comnot contract the duseans again assume total population fixed at N S(t) + I(t) + R(t) = N SPIR 13 walks proportionality constant in ds = -13IS proportioned to the most probability of S meeting I assumption # og s decresoms proportional ds = -pis to contacts with infected # of injected decreases proportional A - BIS-4I to mutoelly 如= aI # of namerical/recovered is everypody who leaves infected Note that (5+I+R)=(-BIS)+(BIS-aI)+aI=0 =) (S+I+R)(+) wheher want

Progress Report due today Template at Comuso > Pages > Course Materials Not me much to report this termo

Dumanación (or unita) of quantitas in SIR model





In
$$S_n > 0$$
 or $S_n = 0$

Second at $\frac{dS}{dR} = \frac{dS/dt}{dR/dt} = \frac{-\beta JS}{dI} = \frac{-\beta S}{dS}$

Chaired

Chaired

Chaired

This is possessed !

 $\frac{dS}{dR} = -\frac{\beta S}{dS}$

The properties of $\frac{dS}{dS} = -\frac{\beta S}{dS} = \frac{\beta S}{dS}$

S(N)-S(O)
$$\geq -BS_{N}$$
 | $\sum_{i=1}^{N} \sum_{i=1}^{N} \sum_{i$

Ro=N-Sa