9/3/23 - Diaccorps

Egioway Master:  $\frac{dP}{dt}(u,t|m,t_0) = \sum_{l\neq u} w_{ul}(t) P_{111}(l,t|m,t_0) - \sum_{l\neq u} w_{ul}(t) P_{211}(u,t|a,t)$ 

Epaphoni ou ruxaio miléxpapo: RTP

 $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{ First of } \\ 0 & \text{ First of } \end{cases}$   $\vec{y} = \begin{cases} 1 & \text{$ 

 $\Gamma_{10} = 0: \frac{dP(0,t|m,t_0)}{dt} = \frac{6}{w_{00}} P_{111}(1,t|m,t_0) - \frac{2}{w_{10}} P_{111}(0,t|m,t_0)$  (1)

 $\Gamma_{1a} = 1: \frac{dP(1,t|m,t_0)}{dt} = \frac{\alpha}{W_{10}} P_{111}(0,t|m,t_0) - W_{01} P_{111}(1,t|m,t_0)$  (2)

[wwpj] à oti P111 (1, t | m, to) + P111 (a, t | m, to) = 1 + t

OTTOTE P111 (1,t/mto) = 1-P111 (0,t/m,to)

(1):  $\frac{dP_0(0,t|m,t_0)}{dt} = b - P_{111}(0,t|m,t_0)(a+b)$ 

f(t) -> P(0,t/m,to) = A = (a+6) t + B

i=-A(a+6)e-(a+6)t=+6-(a+6)(Ae(a+6)t+B)=>

b-(a+B)B=0 => B=6

Aza P111  $(0,t|m,t_0) = Ae^{-(a+b)t} + \frac{b}{a+b}$ . Néver la Tiposologiauje To Az

na 
$$m=1$$
:  $0=Ae^{-6a+b|t_0}+\frac{b}{a+b}=A=\frac{-6}{a+b}e^{(a+b)t_0}$ 

OTISTE Para (
$$a_{t}$$
) =  $\frac{6}{a+b}$  =  $\frac{6}{a+b}$  =  $\frac{6}{a+b}$ 

$$P_{111}(1,t | 0,t_0) = \frac{a}{a+b} - \frac{a}{a+b} = \frac{-(a+b)(t-t_0)}{a+b}$$

$$P_{111}(1,t|1,t_0) = \frac{a}{a+b} + \frac{b}{a+b} = \frac{(a+b)(t-t_0)}{a+b}$$

$$(Y(t)) = Y_0 P_1(0,t) + Y_1 P_1(1,t) = P_1(1,t)$$

Tra va broise to P1(1,t) après va liverte mu Giouse Master...

Magarypaipe on y uni avain manima évai ~ et-to) ~ orainfy

Apa 600 60066140 0010: 
$$P_1(0) = \frac{6}{640}$$

Amigroiza, 
$$(Y)^{(s)} = P_1^{(s)} (1) = a$$
a+b

ETTERS' 9, 9' = 20,13 y tom the theorety the old on y=9'=1

\( \lambda \left( \text{t'} \right) \rightarrow \rightarrow \right( \text{t'} \right) \right) \r

 $\langle Y(t) Y(t') \rangle = (6 - (atb)(t-to)) + \frac{a}{a+b} \frac{a}{a+b}$ 

TIPOŒ MOTIVA TRAIPALE

THU GODGIM THI MU

P, (1, t') ~ P, (1, t') = 4

Ath

K(t-t') = KY(t)Y(t')> - (Y(t)>KY(t'))

 $k(t-t') = \frac{ab}{(a+b)^2} e^{-(a+b)(t-t')}$ 

Tra va Edégyw au évai Eggosley

 $\frac{1}{k(0)} \int_{0}^{\infty} d\tau |k(\tau)| = tR$   $\frac{1}{(a+b)^{2}} \int_{0}^{\infty} e^{-(a+b)\tau} d\tau = \frac{ab}{(a+b)^{2}} \frac{1}{a+b}$ 

 $-1(0) = \frac{ab}{(a+b)^2}$ 

 $\partial \pi \dot{\partial} \tau \varepsilon$   $tr = \frac{ab}{(a+b)^2} \frac{1}{a+b} = \frac{1}{2(0)} = \frac{1}{a+b}$ 

Andessy, RTP Epposition oragonaria slostrosia

Addisplays RTP

Katavopig xpoint tipum) petaboay

Fia Mapapovin 000 1 000 Slagrupa [0,11] P(te) = be-bt1

P(to) = ae-oto

to=0, y=1

"(4t/m,to) = I was Par (1,t/m,to) - E wen Par (4,t/m,to)

l#4

Aprika y nyi to Y sivai 43

Embory Tuxala P E [0,1)

OXPKW13 5 Val