(3) Ординарные потоки Почитие интенсивности потока

Требовании поступанот по одиночеке, не группаши.

\* [t,; t,+ta]

$$P_{>1}(t_1,t_2) = P(X(t_1,t_2) > 1) = \sum_{k=2}^{\infty} P_k(t_1,t_2)$$

Depositivocins nonagerius b wither bar he wither gbyz mretobarius

$$P_1(t,dt) = \lambda (t) dt + o (dt)$$
  
 $P_{>1}(t,dt) = O (dt)$ 

 $\lambda(t)$  - unmerpur.  $\varphi$ - u o(dt) -  $\delta$ . u. benueura

Blegen man oncupanne mesobarers [t, t, +tz]:

$$\overline{x}$$
 (t, ,tz) = M(X(t,,tz)] =  $\sum_{k=0}^{\infty} kP_k$  (t,,tz)

$$\overline{\alpha}(t_1,t_2) = P_1(t_1,t_2) + \overline{\alpha_0}(t_1,t_2) P_{>1}(t_1,t_2)$$

$$rge = \frac{\pi}{2} (t_1, t_2) = \sum_{k=2}^{\infty} k \frac{P_k(t_1, t_2)}{P_{>1}(t_1, t_2)}$$

$$\forall q_k(t_1,t_2) = \frac{P_k(t_1,t_2)}{P_{S_1}(t_1,t_2)}$$
gue  $k \ge 2$ 

L beraemkoeme nonjeume poère k mpesobareire ka  $[t_i;t_i+t_z]$ 

$$\Rightarrow \sum_{k=2}^{\infty} q_k(t,t^2) = 3 \Rightarrow \overline{\alpha}_0 - \text{eregree were mresobarieur}$$
gné  $\alpha(t,t^2) \geq 2$ 

npu dt >0: 
$$\overline{x}(t,dt) = \lambda(t)dt + O(dt)$$

] N(t) - engr. npousece, onp. kak oby, mucho mpédobania & t.

$$N(t) = X(0, t)$$

creque rueno maxua messobaruis:

$$d\vec{n}(t) = \vec{n}(t + dt) - \vec{n}(t) = \vec{\alpha}(t, dt)$$

 $d\pi(t) = \lambda(t)dt + O(dt)$ 

dt = 0:  $\frac{d\hat{n}(t)}{dt} = (1)$  | where t is the constant of the constant t is the constant t in the constant t in the constant t is the constant t in the constant t in the constant t in the constant t is the constant t in the constant t in

Begyusaie que nomora

$$\begin{cases}
\overline{n}(t) = \int_{0}^{t} \lambda(s) ds = (\lambda(t)) \\
\overline{n}(0) = 0
\end{cases}$$

Sur mayuohapkoro nomoka

$$\overline{n}(t) = \Lambda(t) = \lambda t$$
 T.K.  $\lambda = const$ 

Интенеивность в стационарном потоке оценка

$$\lambda = \frac{N(T)}{T}$$

$$M[\lambda] = \frac{\pi(T)}{T} = \frac{kT}{T} = \lambda$$

$$D[\lambda] = \frac{D(N(T))}{T_{2}}$$

N(T) obsume anners  $\uparrow => \lim_{T\to\infty} D[\tilde{\lambda}]=0$ 

Knacenopukaner CMO no kengang

TPën Sykberthaul
Noegnonomeull:
1) Bragunia notok — Nanoull

- z) ruieno removerenco harpyzku l=∞
- 3) eucoemb kakonument ko=00
- 4) чисто канапов обенутсиваний т произвольно
- 5) все коналы идентично и обеп-е однопразное

[A,B,m]

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Nemer Syrberward

CMO e oneugousell a nomercell

Megnonone.

k-orpoweur.

l equicik vcm. Karpysky

+ 1)4/5)

[A,B,m,k,e]