Введение в Теорию мартипалов. Cheijnypc, mexica, crene 20192.

## 1. Youshoe not omigane (kananunarue)

16.09.2019

 $\square$ 

Bce cloba mpu ycuoluu, mo

п.н. Каррентно опр. правая им

rebair racts pab-b (=> orp. u

## 1. Onpegarence

SI.7.1

SI.7.4

apyrar)

ST. 7.12 zagara 5

Oup. (D, F, P), Gcf

b) YAEG E(ZIA) = E(XIA)

2. X- upouzl. Torga E(X/8) = E(X+16) - E(X/6)

T-ma YX=0 3! E(XIC)

$$=>$$
 (no T. Payanu- Kunoguna)  $\exists$  G-azu.  $\exists$  Q(A) =  $\int$   $\exists$  dP = E( $\exists$ I<sub>A</sub>) ( $\exists$  =  $\exists$ Ī)  $\exists$  γηραπη.

(!) ynpamn.

## 2. Apoque cloba

T-ma Bhinairence cl-ba:

3. E(E(X16)) = EX

3' (Terechonneckue b-ba) & < 62 =>

 $E(E(X|C_1)|C_2) = E(E(X|C_2)|C_4)) = E(X|C_4)$ 

4. X116 => E(X16) = EX

5. (rep-bo Viencena) f-bun long, E(X/6) < 0 n.H.

=> E(f(X)/6) oup-no, u

 $f(E(X|Q)) \leq E(f(X)|Q)$ 

7 upu lly) +x,y f(x) = f(y) + lly)(y-x)

Bopulu Y= E(X16) => f(X) z f(Y) + e(Y)(Y-X)

=> E(f(x)|B) = E(f(y)|B) + e(y) = f(y)

Onp-no T.K. E(f(x)-18) <0

U

## 3. Cxoquinocts nog omnyammen

SI.74 T-wa 2

T-wa

6) XnzY, EYZ ~, Xn1X nu. => - " - " - " -

c) 1/2 2 Y, EY-co => E(<u>lim</u> X, 1B) < <u>lim</u> E(X, 1B)