nexy ue 21,09

Потоки Папыла (продолжение)

На предосдущей лекуще мы ввели понятие потока Пальма. Так неазомвают поток у которию вле шитервелу местему требовашему во-первелу, мезависсемым, а во-вторях, распреденено по ормену у тему же закому а (т). Несколько раньше мы ввели ряд общих учиверсальных свойств слугайных потоков, таких, как стаумонарность врегинариость, отсутетыме посредентовий. Вполне естемовению, вызышкает можрос, будут ли эти свойства восполнятые для потоков Пальма. Остановению не этом воспросе

Ординарность

-A -

Oppures here educated curyenques, corga mpedobanus nouxoger na bxog como no eghony, a me rjugunami. Ecnu na bxog como no eghony, a me rjugunami. Ecnu na bxog como apredisemento menero mpuxoger yenan rjuguna rjuguna rjedobennet, ro menero navegar rom menero nochego farente monx un replante de la cura pal munum menero. Congresco longo coma pal munum moto ka Manua choquem la comanum le comanum per la comanum moto ka Manua choquem la comanum de partiro de comanum de la comanum de com

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OTHERWAY TO B MOTORE MAKE BEE

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the a (12).

Hey a (12).

ECME d=0, TO rega notok Rankula dygor

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Monier doire upous lient les en conte att)

Paccuotine, ranpulles, zakon a(t) lenga $a(t) = d\delta(t) + (1-d)ao(t)$, (e<d<1), (2)

rge $\delta(\tau)$ eduquaraet genera-quytkyure, a $a_0(\tau)$ - hexotopyre mothere beparticulument funa. 3akoh pachpegenenus yedzahuro buga ezharaet, tro τ_{\perp} e beso-striourono d'hruhumaet zharanue pabhole huyano, a c beparticotrono (1-2) cobragaet e henyepalbuoot engratreoot benuruneat, pachpegenenus generalisation no zakony $a_0(\tau)$. Hrare rolops, τ_{\perp} b leogeni (z) ebaseria engratreo benurunat chiparita chiparita tuna.

B mareit magene e beparriacrano 1-2 may получим новой одиночное пребовение, с Beforereso (1-L) ~ zpynny Theoblemus, c beparrisoroso (1-zpynny uz Tpex Tpeoblaneus u, (1-d) d i-t (i=1,00) Sygene Reigneourano i Tresobarceer, Crégobeterance " Seogens gaer Thinn apaserue opgunes way Koropaul norok npierere mancer huxaga reobor zyshum ao(T). pachelenene -Moets Theyunar sureculing zakony a napamerhany & Iman upulies nousepular оргинарность его имеет место гольно coorregeaux yenreur d=0.

Стаунонерность

Напомним, го согласно определению стаученерноеми для стаумонерно патока все его свебля и все его веременностные характеристики должино оставать се Menzalemente Mus Many Constitut us Meneruly

Marana etcrera lependenen. Pacchet us Merek

Mans Ma comepre rougher b leadent t = 0

(em. puc. 1) u Napak repuzyement zakonom pachpegeremen

unterbana Mangy treobammenu a(t).

Рис. 1. К стаумонарности потока Пальше

Cybellies harano etcrera bresilence historia benuruny to torga le hobique menciopyro benuruny to torga le hobique menciopyro benuruny typy pacupipeneum no no-npeximeny typy pacupipeneum no no-npeximeny typy pacupipeneum no sanony a(t) u rezabercelulor. Replant unicolar sanony a(t) u rezabercelulor. Replant unicolar benobera le crapan marone, naropal K-20 un replena le crapan marone, naropal ne neuer upable rorne to to to respe pabuserul ognibuly uz T. (j=1,00), ro respe pabuserul ognibuly uz T. (j=1,00), ro respe pabuserul ognibuly uz T. (j=1,00), ro respe pabuserul pacupipeneul le super pabuserul pacupipeneulul pacupipeneulul pacupipeneulul patroce yenobulul zanony jacopieneulul pacupipeneulul pariocru Tx-to npu yenobulu, ro Tx > to. Paymocru Tx-to npu yenobulu un naronalu chere gane he Typer sona ioeu naronalu chere gane he Typer sona ioeu naronalu

Ranbulg.

B garbnew were dyfer nowazano, ro cyclectroyer ronous ofun cryrad, kozel cyclectroyer ronous ofun cryrad, kozel ch(t) = a(t) u an conference leget max leasonballiony upocree wery noroky, kozel balliony upocree wery noroky, kozel Tx pacufyerenew no nowa zarenbuowy zakony a(t) = X e X t. Bo blex oventwoex cryradx MOTOR MORALLE MECHAGRECALEPEN.

orcyrerbere nocnégerrerbers

Choiserte o uncymenters no creget ortens (uny et cyrcibus namatu natoka) npoublicial 6 faire, 200 spédébanue, néoropore noisques nocre upacylananero, moderne t=to, nos enquero et rozo, kar espardelle « puc 1 Be Theoderica & rober, pariere de Bropero, orger nocrepais rezaleccenco es vere, vo noblecrefere repleno The Soberum To Dyler saber cere et tho, ye pocuonaranace l'orka Tr. 6 crapaul ubroke. HHAZE TOBOPS, 6 NOTOKE Manblua ulles macro mexorophe nochequisembre, no ono s'enserve or/anurement TOMBRO SO TORO MOMENTE TO , Koropaux me. nocheses service up que citégét me pour se mains pour se mains pour se mains pour le mains pour se la main de la main de

Teners raccies Truce proyece NH) anu-conservents oбщее races Tresoberents, no-ny remninex и моменту t

Myrennebex is inducerity

-4-

N(t) = X(o,t).Orebugaio, npayéec NIt) que noroxo Mansua frue me oyfer maphobekune, rak zagarure N(t) & Lieueur t grue, boodyx rolops, ree dyfer onfreged \$16 non-nocrono nobejenue hpayecca noche mouevera t. Blievre c terre, eure pacamarpubare ronero mementor t= T; (j=1,00 to 6 mu nomentor moyece N(t) Dyper по-прениенця облазать марковский chotecteur et cyrertime nadisire, Takue upoyecchi reazorbanarue nonymap Kobckung Enegobaterbreog que notora Marbue

rucho navy reservoix Theo berein npeperalenter biero numb nonquapico bixudo hpbyecc, a me seaprobered, nak ez nochequirerant. Inno a Braerne engeran en orpenuremento nochegedirame novoka Manbrig. Dance oбратилися к конкретним моделям наиболее важниях примеров потоков пальшя. Il pochetuus novok Tredobereus

Recressione Hazerbaerre notor Harbilla, le norogenere une recazarent meny zakony

 $\alpha(\tau) = \lambda e^{-\lambda \tau}$ Brazane boeruchus epegneur userepban
unegy rperobanusus

T = M[TK] = IT alt) dT = (4)= TTDE LEDT.

7 pogenuber 6 unrespane (4) nogcranistiky S = LT, nary raem

 $\tau = \frac{7}{\lambda} S$, $d\tau = \frac{1}{\lambda} ds$, T= 1 Jes ds. (S)

unterpressent no racton, ogreans ygodnes boyaziero ero repez ramma- grynkymo

x-4dt, (x>0), (6) vo gaer

(7)

xopour uzbecruo, ro nou yenus znarennex apriquenta x = n, $(n = 1, \infty)$ rancia grynkique bolpanaère repez parropuan no gropulyae

 $\Gamma(n)=(n-1)!$, $(n=1,\infty)$, (8) norrowy (9) $\overline{\tau} = \frac{1}{\lambda}$ Ducnepouro un replena mendy Theodoberus my reaction no odiy out n/raburan $6\tau^2 = M(\tau_K^2) - \overline{\tau}^2;$ (10) M[Tx]= JT2altddT = = JEZZE-JE dT. (11) bolrelenence un re nogere mobile, ro bolrelenence un rezpona (4), maxagiene npu $M[\tau_k] = \frac{1}{12} \int_0^{-s} e^{-s} s^2 ds =$ 200 c grerone (8) gaet $M[\tau_k^2] = \frac{2}{\lambda^2}$ (13) OTChaga no graphype (10) reaxagure $6^2 = \frac{2}{\lambda^2} - \frac{1}{\lambda^2} = \frac{1}{\lambda^2}$ (14) to ects (15) $\sigma_{\tau} = \frac{1}{\lambda}$ a rozga kazquyuener bapuayun gannor un replena mengy rpe soberemenn

 $\mathcal{E}_{\overline{L}} = \frac{6\overline{L}}{\overline{L}} = 1$ (16)

Kak your amueraioce boune, notoku Пальма, вообще говоря не явление стаquanapuorus il usullar necestopoe orpanu. remud noenjeurer lue. Heatxoghus upobepur. Lak obcmout commun geno gone nhocrewale-ro noroka, xapakrepuzyenero norazarenskom zakonom pacupegenerum uterepoena (3): Uzyrum oras bompoe nod pobrue. Das

·6-

two yemarcoblus ofalo carere Chevicileo novazarensulo zakona. Charcete or agrestime nounequé esteme y novazareneniro zanoma υτο ρακωιατριβαντά ημος σεδιμαίο κατακ, mo ecre att) enpegenderue cornació (3) PaccelleTpuse großellepobare K-20 engrecornerd un repoblica TK. Donycount, 200 The obereus, no K-e The dobereus hoka Paccelletpeux octaroeux ree nocrynuno. raise Chercus (17) $T_K^* = T_K - T_0$ u nonbetalulue manty zakon precupepenenul Тк, которыей, как и на рисунке 1, общиеми $a^*(t).$ TO COZNACIED (17) nonmout un report The Dyger pabuatous T+To, natran norrowy (18) $\int_{\mathcal{T}} a(s) ds$ Bupanieure 6 guariere arene (18) njegoraliser color bepostreours yearbure Tx > To. nogora-6199 6 (18) boepemerene act uz (1) 4 yrutubas, $\int_{0}^{\infty} \lambda e^{-\lambda s} ds = e^{-\lambda \tau s},$ (19) будем имегь

Palencolo

 $a^{*}(\tau) = a(\tau)$

Coepameer Tax reazorbalue "chairerto

OT CYTCHEUS NOCNEGED CITELLE" Y NOVAZATENDHUZO ZENDUG. OND OZHERZET, VO OCTATORILORE BREULA. OND PALLEY NE CALLORY BREULA. HEODXOGILUO ZANDRUJ, VO 4 NONVILLE BREULA. HEODXOGILUO NOGREPARTO, VO PEZE LER UGET O PABELLOT-NOGREPARTO, VO PEZE LER UGET O PABELLOT NUMBE BE CALLUX TUMIX BROMER COBNAGANOT NUMBE CO CALLUX BROMER TX UTX, TO, KOLLERIO, CO CALLUX BROMER TX UTX, TO, KOLLERIO, CO CALLUX BROMER TX UTX, TO, KOLLERIO, CO CALLUX BROMER ESPERIULYA BUZGA TX, TX C BERDETHIOLTORO ESPERIULYA BUZGA TX, TX C BERDETHIOLTORO ESPERIULYA BUZGA TX, TX TX C BERDETHIOLTORO (21) MOXUNO MPOLINIOCTIUPOBATI NEQUILITIU LECKU (CM. PUC. 2).

Puc. 2. K chareby omajorebus nochquictous

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Kpubout a (t) noch ununerta to, to ecto

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Ha bego ethocto yarbus to > to, vo coot
Berctliger paams menuro "shore" saenjugene
nun a (t). Dis nougravene uno paanjugene
nun a (t). Dis nougravene uno paanjugenement

popup "x boama" exazolbaetas torno racot

nle, kak gropus ucxog horo paanjugenemus,

Trangapa reily umeet mato sabatato

(21).

charcee (21) neglorser clear baxeur

upocresimero novoka!

"chaqueres le upocres cues novoire

bush & pucyfing 1. Kon Oparwill, otheranoce boune, noche eflura mara na orczera Chemenen, 6 notoke, Rantilla na nhougho torregro beautering to replace were pour le reolour norone Dyger pacujugenes no factorey at(t), keropoet, bordige rollops, ne col nagaor c a(t), vro 4 objers brubas нестационарность общего потока Пальми Ho no to no ico vo gonazarenomy b chipra nonazarenoruro zamura levendamentuletul palenerles (21), ro ecre replacer unreplan upe modor to Typer pacupagency review 6 uckopredes nordice. Cregolarens 6 cayrere Rorano Marbilles e zakonous, (3) cmayuo rapresent uneer mecho, to gorazannony Pensepous chowcily no. reserenturo zanarea nhocrectuents notor dyser equiectbereseous us nore equeciberéneous us novous Mano ele, koropour sonadeer emaquences procreso.

Mocretures never dyfer maknel Dercrantenone rumbre nocregair collect. paccelles piece npolly Bons Hold Mouley resur reoboex the observent noche mocky t. Cornacio chorcray arcyrethen nono. quictbeed (21) octator nongressessors useres bance go nocrepunerues Trumaduero dre regresso presoberelle Dyger no-npenercien pacupegenere no novazatens receien zavoren beex resoberment & novoke. BREATUS TRED BRANCHS nhagon mas nochgners rezabelcieno er roro, nan oren note nance go momerere t, mo ecro l'un norce orceptedeger namenté, une nocnègeraleme. Uten, n'hocrétainent nover 9 baseres opqueepuseu (ran van gru nero bepoier-Hours L, supegenseemal (1), espanyaeral стадионариям (в сину равенu me weelt nochegest et bus (no ros me nhureme). Mesocraricane npocretimero herona genedra ci hukcupobanuoe, u neurous socrator Peabudoe merenies wage fluqueure bapaaguer gruner unergroera (16) no round, recuestra rea réoperer reckens ourcement beday year entress charich upocreviuero norona, ero ne bierga Monero ucuant 30 bests gail respersific besses peanbreak noroket, rak ken rea upakruke Betherararue naroxy c calloculy paz mezhorek Si, neropue morys as surarous or equeurior.