Nekyue 2 HEROMOPHE HOUDONLE baneville ueneurose pyrkyny На предледущей лекуши мы ввели пони-200, ECNU ZEJETE ELE DEZ UCKAPOZEMUL LIO-LIERETPLEND GLIGATRYMU, TO TEM CRIMEN DYGET ZELEAH U CENE APRIJECC. ZAGQUINE MINOSECT-BE MONICHIEN GLYMKYMY WHELCTEB 1907 ant-ephatub Hour chocos Zeleanus Cayrathers upoyecca. Ha uptermune raumo expanserubaroral pacement runs recicentarix unag-Koverno, zname Leneruro relace momen-TOG MANYECC RESTRICTORD HE CHREGERARET, HO MOSILETTOR RESTRICTORY GETTO YMPROCYCLUS PRICE HEKOTOPORE ETO MACAMENTUME, OTHER CHOTOTORY
TON OMOUNTORNO MARCON DE MARCON при этом тогно такте, как в класиbaneroeseed & Encharce elevertoe magueux nopagnito Marcularurecure onuedanue Ba namentos monero Coepazuro

BOR MEMBERTO MENERO COLPAZIONE SACHILLE PROPERTO MANGELLO SACHILLE PACHILLE PROPERTO MANGELLO PROPERTO PROPERTO

(1)

nepogra $\overline{x}(t) = M[X(t)].$

-1- chyrathour benurement mensepulmero

muna, u cycycorleger narrhoore beparemore, to rorge onjugerence (1) nomer tarts repenucauo 6 luye! $\overline{x}(t) = \int x f_1(x;t) dx,$ (2) reploro nopegką. Ecnu nek hpoyecc correct & guckpernally und escellagecreggen zanuculant repez pyuzyuro pacypegenerum nephoro hopieg ka $F_{\lambda}(x;t) = \mathcal{P}(\chi(t) < x)$ (3) Nou oman buecno (2) nongreur $\overline{x}(t) = \int x dF_1(x;t).$ Hanouereuse vo 6 engrae mongesubnoto la pacupegenemme cycyectoryem muna mpoles bolked = $f_4(x;t)$ $dF_i(x;t)$ (4) (4) choqueal Hezerbucumo om uchas zyemero Maremaruzeconpegenenue ((2) UN4 (4)) zagaet none kangen t recotopoe chequecomamifémureckoe querenue epquerator npoyecca. Bnome ecreurbenne, No grynicique x(t) y me sersemen gerepelune pobeneuer (recry rais moet) Ha pucquel que upuelepa noulegerea

peainzéque enjouvers n'payécea



brezural uz ergunary nhoyeces ero narchearuzeche consessante. Benezuna X(t) zafaer chyraconne prykryaywi nhoyeces orredcerente ero chefriero znierenia.

Ducnepeur npayeccq

Kak uz becono, quenescue b riosuy cny ratinia de Benurum zagaet poeceelnue cuy ratinia de benerulan arnivelltenent ee chequero zacereanul, B
Teosuy elejrairniax quynikyut mae
unrepupe tayus quenescus, honerno,
coxfahilitus, no case pazopoc omiourenono chequero suomet done pazsurumy
Ind paznoix suomet done pazsurumy
Ind paznoix suomet done pazsurumy
And paznoix suomet done pazsurumy
Andro reizmo (1) quenescus oujration
opposition oupelenlerul reik;

 $D[X(t)] = M[(X(t) - x(t))^2] =$ $= M[X^2(t)] = 6x^2(t).$ **(6)** Beneruna 5x(t), pabrear корню квад-parnony из сисперену, мазывается средненвадражитьский рыкломением Discrepcies nomer deurs Companiere repez ofteniesment zamen padupegene- $(x-x(t))f_{x}(x;t)dx(t)$ Konerno, zece coxpansero Coepaxie. Hue guchepour rept relianomon liques. Toc $6x^2(t) = M[(x(t)-x(t))^2] =$ $= M[X^{2}(t) - 2\pi(t)X(t) + \overline{x}(t)] =$ = M[X"(+)] - 2 = (+) M[X(+)] + = "+)= $= m_2(t) - 2x(t)m_1(t) + x^2(t)$ Enguen xopomo uzbechmae gropmyra! $G_{\infty}(t)=m_2(t)-m_1^2(t)$. (9) Koppeneguo una grynkyuo Que pacano perenoex boenne momente boepa hearuce repez ogneolegnour pacupegenerius expressiveous grynkyuy.

B njustyune, mu raparmepuremuru bloguruce morre maiente, rak so geraroce

KNACCEL ZECKOLT TEOPUS BEKALTHOCKET, houbranace montro ux zabucumocre brevelle B respiese cyclirations gregulates reelistrie le monercomb paccillothers bug maneurol brokento Korfa palculait pubaltul Koppeneguerestail cheese liendy gullaraille npayecce? correccy yu Muco K paznernoin nomenvan Chemon $K_{\mathcal{K}}(t_1,t_2)=M[(X(t_1)-\overline{x}(t_1)).$ (10)· (X(tz)-文(tz))_ Koppeneyueunour gynnegueer upoyecca One apperelland or coros reppendquerepunt reparent result opglineramy spayerer, etrealymence k paz mour moneriran l'henienn. Amarornio (6) Koppersynentegro que revereno moxierto Colpazione repez yesetpupolerenyno opgumary spagecif (11) $K_{\mathbf{x}}(t_1,t_2) = M[X(t_1)$ Keppeneyuenueur grynicyme zerfæer emanus.
mutecrigno clogo suenegy grykrygayueMy npoyecie, ornibue you mot it pagnizations menerary bremercy (en, pue. 1). Ecry noteropiers paccy reference, npogenannear uper levelegé gropityros MORENED MONGRETE $K_{x}(t_1,t_2)=m_{1,1}(t_1,t_2)-m_1(t_1)m_1(t_2).$ (12) Здесь нагальный момент первого порядка М1

U, chegibarero Theores gne clivero le eruchemo TONORO OFMOLIES MOTO ZAKOMA PACHSEJEMME MOYECCA. BANECTE C TEM MOMENT M1, 1 DIGIT zabucero ynue or ghyx momento bepeneny zeece norpedyeras nomoney saenfregliereer m Bupanience! gnd dexours secretar uncert bug M1,1 (t1, t2) = \$\int x_1 x_2 + 2(\int_1, x_2 \int_1, t_2) dx, dx_2. (13) queryero Henocpeg redresso no grapuly ne (to), to nouncegular & crefyrougues wherepary $K_{\mathbf{x}}(t_1,t_2) = \int \int (x_1-\overline{x}(t_1))(x_2-\overline{x}(t_2))$ (14) £2 (x1, x23 t1, t2) dx1 dx2 boe rucheauler takun odjazom zafaza boe ruchencuk Koppennyunkenene grynencejun gnazalbaeral copperagion tereses Solve croninoir, ren zafara boe sucreneux quenesceux no geopéegre (7) uny zadara boe rélevence électron reckore ondépendent no gropulyre (2). BI 3 du no revue omno pazgena et merus To whomex crysant / uccregibarery, Bel orperenteles house represent to 1600. hpoyecos, npureue elburob uckerely nomererany re bound, reve Brokero repagne. Pazger meopies en redérieux replace à bio poex eleverol, mazailaerel replace de bio poex eleverol, mazailaerel ropper synamics Teopuello B namelle type GALANUZQLY TO ABKO

KOPPENSYMENTIES TEOPUEU. B Hamely Kypce Tylet novazario, 200 senozue unmeneprene 3 agazu Morge There opprekmubre penience

-6-

b panerax Koppensynomeno teopin, a takke njunem karondex k ment teoping dentspocol in chekt personal teoping. Uzhomenne ykazammuk pazgenok mioping engrant kang kype.

pynkyun u typet nocklugen mang kype.

Komerno, eemb zataru, pennemul korotolk buxbant za paner koppensynomost teoping, mangrahung newy koppensynomost teoping, mangrahung newy koppensynomost teoping, mangrahung newy koppensynomost teoping, mangrahung newy koppensynomost teoping new teoping new zagong hundulat mink cucremax. Takne zagong pennamul nurofanu reofing happensku nhoyecob, kotopan y mat ne ka pegse nhoyecob, kotopan y mat ne ka pegse nhoyecob, kotopan y mat ne ka pegse nhoyecob.

Классификации слугабних функцей Спугабние финкции могут поль классириупровения по условий резу криз наков, Рассмотревше классификации случабных финкции нагней с націблее вблуж разичней касалоицеров самоб структуры обласни определения ч ибласни знагоной слугайной функции.

I. Классификация в зависимости от стуктура области впризелению и области змаганию слугайной ущинедин

Paccelotrali cultatifye degitique Xtt), paccelotrali cultatifye per mereroper uniconecte onpegeneury po ma mereroper uniconect Tu membe II. Kanegoe uz menoment Tu II moment tu kanegoe uz menoment Tu II suomen The kanegoe uz menoment, max u menoment (konturyentrisen). Bzabuchuartu bī trozo pazautaret meckeneko tunek cafratifien pagautaret (ch. tedauyy 1). Hanamum eye pazo ro cayrati, korga othacte onpegenenul Tabaleria konerusy linomectory me unerepecenc marenorization.

Murero restoro no crabnerieno e meser ellequi sen, norophe paccilerpularione le kraccerrecuest reopele bepoerrecember. Teixelle
othezose, ney xeno paccilet pero gla npunyunuantio pagnurienx engral, norga unonecreo T cremno u norga uno nfegoraliste
coñost nouro municipaliste.

T R	DUCKPETHOR (CRETHOR	Hensephbroe (Kontunyym)
Duckpethor (enethor)	I	II .
Непрерывные (континуум)	<u>///</u>	<u>IV</u>

согласно таблице и можно воеделить гегогре типа слугайных ферыкций.

Тип I. В этом слугае проуесс екагом иняет свое состояние взаданние дискретные моменто времение.

Такой проуесс называющим уепью. Примерей может истем случай уепь Маркова. Этом случай уепь Маркова. Этом случай унь Маркова. Этом случай час не очене интересен, чак как он по существу может выть изучен смандартлюшие методами теории верестився.

Тип II., Этом тип проуество допускай

un II. 7 mom mun npoyeccol gonyekati opqueate npoyecca npuruluate npoyecca npuruluate npoyecca npuruluate npoyecca npuruluate npoyecca npuruluate uz nekotoporo kontruryane ruro usuluanecmba, ro usuluanecmba

cocrashul encremy pranckogur Toako zaparensee quexpernence indicerror Taxou npoyece reazolbaner wellerey. Engravment no chegolaters utemano Breneficion. Begow. Chyrat more nocreçobarero nomu paccularpubarues 6 betigere kypce respire bepartnernu (Ha-nsusiep, non gokazaterbeter npegenbuck teopers), chyratrusie nochegolateretenocy npegerabnem untepechenit cossept que Исследования, но прини иметь в виду of b rompage is textence be upayeclos paybulatetul 6 pearsual (neutrepublica) brewell. ECAU Greelle guckpe muzyera to me upefcreelinger Leekeropee 62pg Tresere ledgere u novepro dacny weprebute brewered preference gropellyell. ocoquer un refice, Han Buruep, 6 purent color marellarune noche parpaderku magener que menpepulpuro épe mener Juli agenten reidant exect maz brieg,

Tun III. On coorderer light, npayeccam of ackrenpepolenous le peneruen u gackrenpepolenous le peneruen a pare
particle neuronier bors coeros muit.
Taxue npayecco morenes. O ren,
renpuluep, deranone uzuranares
hanpuluep, deranone uzuranares
b teopun maccolino es crynusbonus
b garinery reper trun bonpocol
un oerabene le cropane.

TunIV

Imo upayeero, korosore pasbubarord b reenhepableere presente le perente la pe

boupocoi, nau mense mulbuocre en gravirero no prospecca, e 20 ga gape pense y esperante con en contra contr

Cmayuouephocos chyrathoux

Proyect mazarbaerre emagnonepurus, een on me menser chaux chairer non non menser chaux chairer non nhousbanduous uz memenny rearand

chow the house of enterential nepapchow the house pacific entire. Drie xuet ero savoure pacific e ero emoro communitation of ponsinos coxpaniente menore savoure, gonzinos coxpaniente chow and non opposition con consiste merana erchera le premienne.

Merana Micros aparelle de persente projecte.

Get ma entorometrice descontraposeço,

Cabelles mereno orcrete beremenes mos con menoro pyro benerulans to >0. Ecnu moyece crenyuo mapet, to gonnemo obeto

f,(x;t)=f,(x;t-to)=f,(x)=const(t).
Cregobarerono, que emayuonepuro upoyere aprincepuro esperante de permiento per miento de permiento d

amora chesierbe gacrerormo upunata 6 MOCKENSKY I, ME ZABUCET ET , gogne conjuence puero novecce ero marche. cucyusuap uro tureckoe вжидения изисперсия постоянных repegna. Bluny emainementacre unlesse f2 (x1, x2; t1, t2) = f2 (x1, x2; (t1-to), (t2-to)) Mararare 6 (16) to=t1, nanyraem $f_2(x_1,x_2;t_1,t_2)=f_2(x_1,x_2;t_2-t_1).$ (17) omcrosse crejget pro Reppersyntimas pyracyus Kx (t, t2) cmay us maphiro plegecca green uzeren zalencu- toroko Mener. I = t2-t1 meneros 6pe-Cregyen oбрæниемь вышерине ма ejny темкость. Данное выше enjege-называния стаунамерностью y sucre cuevecse. The boenasterung ycrobecis $\overline{x} = const(t), K_{x}(t_{1},t_{2}) = K_{x}(t_{2}-t_{1})$ (12) A.A. XUHYUH njeghonus mazaebato npo-yecc chaquemephone & neepokon chokse. Elever president crayer prayer e & unpercont currence, orparrise, robope, meleprio. Conaguebrepriocis 6 unperent eleverse bieres emagnances. Moore & yzhou cuercic Toroko grie respectables upayeccol (cu, gance) Moyecob: Dance paggepeur Krocc maprobance

Maproberes upayeeco ecni gaganne ero opqueator, 6 uponz-Cremency to ogreoze Confred Leavent row enferences zakon paenfregerencia upayed & reduct however pu oran cycycemberero, vo nobegeine nou TX + MUKAKOZO Brusenie lea ero Homoyuro non t > t me exaguconsument un properly un zakniozerla appeinere moyecca nou t=t. Roomany Reprodense rpayector Zacmo Maza bany eigh rpoyeccaien Dez nomamu. Сам термин премова, которий происходит Employe paecusiper makue upoyeccor 6 cryrae oucupernors openery u quexper me sucuperturo Bremeria i quexperturo Mapuelleur nogoet reletingues parapares barrens
Cleurcheur, Koropoe reletingues parapares
Donce nogoetro, Pacculotpeu Mapkelcaus rpoyece X(+). Bbegelle, n ynkpago revenue incurrerol brevenue t, < t2< ... < tn Moroncuse $X_i = X(t_i), (i = 1, n)$ Kparkocnu npre manteceneur zakoma pacyregenerus n-ro nopegica onyexate ble bremenence & garbuer unex ti, cruraue, and bue any pacefriqueex quixciepobation. Bospazure zakan pacupellerune n-20 nopegka fn (x1200, xn) repez terkoù me 30KO4 (n-1)-20 ropegica 4mil (x1) 111 Xuy) Unever gre rpaissons reat cryrathead a guxque $f_n(x_1,...,x_n) = f(x_n|x_1,...,x_{n-1}) f_{n-1}(x_1,...,x_{n-1})$ -12,

Ho que maproberro npoyecca $f(x_n|x_1,...,x_{n-1}) = f(x_n|x_{n-1})$ max kak zaganue (n-1) apquinatos uckatora-em bulkyko zalucinubers ar biez npequiecrayabujux apquinat. Morrany $f_n(x_1,...,x_n) = f(x_n|x_{n-1}) \cdot f_{n-1}(x_1,...,x_{n-1})$ Ecru apuelereuro grapulgy (21) eige (n-1) paz, to nongreen $f_n(x_1,...,x_n) = \int_{-2}^{2} f(x_j^*|x_{j-1}) f_1(x_i) \cdot (22)$ Takase abjasair, zenar n-re napsqua a naprobatio poyeca bus a matrix ez gle grynkyria: n notrecers bepart que næpublikalo \$ (x;/x; beparracine case zenen brapaso nopegno, a unenno $f(x_{j'}|x_{j-1}) = \frac{f_2(x_{j'},x_{j'-1})}{f_1(x_{j'-1})}$ (23) $f_4(x_{j-1}) = \int_{2}^{2} f_2(x_{j-1}, x_{j-1}) dx_{j-1}$ (24) naprobento npoyecca zakou npouzbolouero nopegka honeres boepazuit uny repez yerobhegno unorteacre (x;/x;-1) u réranstice pasupegeneruel. 7 may graver geraly reaproducture upaylector zafazax. Omsiemene, vo grynikyme f(x;/x;) gne raprobler reporte pabreruno

- は -

6 racrusex upoershopmex (max reazorbas-Pakkepa-MANKA Kontrolopoba) vo nozlanser cheemer nongrende zakana pacupegenemen npo yecca « meteropsoi jajake maremarcheccos quyuu

Hopmenture (raycobciere) npage con

Проуесе называет наршельными (uni rayecol Execu), eau ble unoromes zakano ero pacupepenence sone werae respuensurtey zakonemu.

Paccuaipen nequerere bremerere to la la la blegen opposition npayecce X (4). u blegen opgenerer npoyecce X := X(t)mocme cobinectment zakere pacusique KI, ..., Xn nou restay n offer respuesso-House. Dre mow, reson ero gracturacy Boinicare, regresso quare bie scarescaru-recue oncegarens

 $\overline{x}_i = M(x_i), (i = \overline{1}, \overline{n})$ (25)

a mairie bre reprincymentare moueuro,

 $k_{ij} = M[\hat{X}_i\hat{X}_j], \quad (i,j) = \overline{1,n}.$ (26)

Donyonine, vo neve us becirro maremara-recnoe armyanne npayecca X(t), esquaraemol Kak E(t) u ero coppersymoniae pyrkyma V_(1) Kac(t, t). Torge, Kak nerko bugero,

$$\overline{x}_{i} = \overline{x}(t_{i}), \quad (i = \overline{1}, \overline{1}), \quad (27)$$

 $kij = K_{\infty}(\pm i, \pm i), (i, j = \overline{1}, y).$

Muse rolopa, muoromephone zakon pacykeelune Mosoro nopegica que respuentiro npresecca Элементарно выражаетия герез карреличиния

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