Teopus boi opocob (17 pogosmenue ?)

Ha megorgyyet rekyell nor paccilition mexotophic thobase zagary, rotophic inoxials peliams heropolic thobase zagary, rotophic inoxials peliams heropolic Paika, resultoro buggay-lienel e un un palatica peliame, reo za biferie, repuliquese e un unerta nyonikayen patat Paika somo peliento intoro noboix zadaz tanno poga. Hanpulle, pacciliatpublicance zalderino bus-topa in historomia interpalicance interpalicance in the pacciliatpublicance expresso in interpalicance in proceso de la nella pacciliatpublica nella peliamento pelia

проусса в Рогие дистремуще

Как говорильсь ранее, анамиз экстремунов спучайного проуесса сводить к классической постаньвко задачи о выбросах но это касаейпостаньвко задачи о выбросах но это касаейсо только анемиза числа экстремумов. Междутем во менерих задачих важено змать,
насколько далеко замила мраектория в тогке
экстремума, мо есть змать ординану проуесса
в ночие экстремума. Рассмотрим задачу
получения замена распределения ординату

^{1-1.} Tuxous B.U., Lumenco B.M. Boccholo, Trecenther Chyraches representation M. ! requer, 1987, 30 4c.

munuayua kpoyecca (c.u. puc.1), X(+)V Paccelottime ghangos guppepercycpycului

Puc. 1. K noxyrevecto zakona paentejenemus ofgunaros l'rozke mierusysee upagecca.

проуссе X(t). Предположими для простою, гля проуссе X(t) стаумомарен. Обозначим герез (xo, x, x2) Thex inprior zakor paentiference Chyratimory benuruly $X_0 = X$, $X_1 = X$, $X_2 = X$, B_3I THE B BYMM I FOT THE MOMERT B PRIMERUL ROPALMATY RESPECTA B TOTAL MUMMYING DESCRIPTIONS
THEY $Y = X \min\{\text{c.u.puc.1}\}$. Photheoir before theory $Y = X \min\{\text{c.u.puc.1}\}$. Photheoir before theory

oбизначим герез fmin (4).

Pacculothine premiereraphy & CLADERTHEOUR 7020, 200 Ynonager Butereppen et y do y toy, corongro admieriens repez des. Oreleugrio, è agricos cropiones (1)

 $dP_1 = f_{min}(y)dy$

Imy ne casegro bepartneur Blegere enynegeretare neckonend unare. revinue cooperue B(t, dt; y, dy), cocresugee TOM, no 6 unereplane [t, trdt] usua sucro efquellata nonara b mutuely en, npirely ero [y, y+dy]. Marcharurecku omo catural E brege apriobpeneremeno sur-Moximo zanucare enegynoujux your beer noncenture (2)

(x(t)<0, x(t+dt)>0, y<x(t)<y+dy, x(t)>0) Beparenoire coordina (2) monere boepazure repos Thex represent zakon pacupe generus fre (xo, x, xz) chapyrousum ofpapoue:

(P/B(t,dt;y,dy))=[]+xii (4,0,x2)x2dx2]dydt. В принуште, выгисление веростности (3) митем не отлигается от рассупуемий Райса применяpreció agrif beigs: apquilara apayecca non prom garrina nonacro 6 npomeny rox [4.4 A (tidt) courague 6 rans 200 6 Torke t universe summers of gundras Cornaeno kraccureculos respuéde $A(t,dt) = \{ \dot{X}(t) < \dot{0}, \dot{X}(t+dt) > 0, \dot{X}(t) > 0 \}.$ (4) No esternire upaburary rexpure Pr Alt, dt) } = []fix (0, x2) x2 d x2] dt. (5) Нетрудно понять, гто верольтиость события YE[4,4+dy] gormena bounecratous Mu yerolum, 210 B tozie t umer mecro foetpoc, to ecre nousouro события (4). По этому инетересульной нас вероет-ATMOCRET (3) U (5). Takelu expazare, aneres marels. une brepamenue beparricoerte 41) anier Bug Pr B(t, dt; 4, dy) Pf A(t,dt) Jo fxxx (4,0,xx)x2dx2 dy. (6) Jofxx (0, x2) x2 dx2 palmulan dP, = dPz, nexogun So faxx (4,0,x2) 12dx2 (7) ∫ f== (0, x≥) ∞2dx 3 akon pacypageneure (7), écreciberences nugreune respecté perobette respectépoliter Sfair (4) dy = 1, max Kax & ceery corractbanens severosep ноех законов распределения

 $f_{xx}(x_1,x_2) = \int f_{xxx}(x_0,x_1,x_2) e(x_0,x_1)$ (9)

B ZAKINDTENINE ZONNETEN, 200 GEOPHISH, NOFOTHER (7), MORYT TOUR REMIRENT MAKERSHIPHOR THE ENDEDOM U GRE REGULAT MAKERSHIPHOR NAMEROLUMINE GRE COKPONIZEMEND OFFICIAL GREAT RESIDENCE OFFICIAL AND TOT CONFOC OCTABULLE 6 CHOPONIC. buse 6 croposes.

Mongranue zanono paenpegenerune rucha eacohoeo6

B carrois vouget normanible nongrences zaucent paentifereauxo rucha brispocolo le zafannone unirephene shalerid become chosenoù inventerenner zavaret. Hercoropue pezgrarary zget mory rouse noryrence sucrogances reoffices majnobereex passense reasure recepus souper negeral name at trux surrefax lionerio nougreto, oznako-Mubulence c Marepulleous Engers uz nomeno A. A. Chemenukike 2). 3 gech Eygers uz nomeno npuemenene paga accelentate rechex meres for.

Henry reserve property gue such a commercial budgetob 6 cherce baccours nonureabull

general Na (t1, t2) 6 engrae, xorga y pobette southeros a abrietar nocto sienere u polarore de sona en 100 " la conclute poctarore boloco de la concluta de la concluta de la constata del constata de la constata del la constata del la constata del la constata de la cons creggeorgies ghy z 34 ghy sour, einemo creirent, respectivelle il peginere "coopereul un. Torge upudremeneno insueno crarara, vo

²⁾ Свещников А.А. Прикладние метобо гебрия слугабних дирикций. СПБ; Лань, 2011, 464с.

zanony paenpyenencue Tyaccora, rax vo P, k (tytz) = 9/2 Nat(tytz) = kg = (10) = e-hat(ti,te) [na(ti,ti)] Ocobbui unrepec zéres npejerabns et bejostrioure nomino orcyrératue lose spocés buse unreplene [tite] $na(t_1,t_2)$ (11) Crequee rueur bourpoert na (tr, t2) Terère uz emangaprioni gropunga Pourca.

Dis emequaniprise modecca ican usuacite
chiquele rucho bandhocol monopymententico
gnerie unreplana madriogenesia t = tz-ti (12) na (t1, 12) = va (t2-t1) = Va T Cregobarierano, 6 arous cripac beposituous or cyrestern bordpood zaherent or gruend unterbeno excuonen fuenteno, VaI $P_{a,o}^{+}(t_{1},t_{2})=P_{a,o}^{+}(\tau)=e$ Murephen vienely boispocerus nous arenous Dyfet paenfugeness no noxazarenous zomodny c neperiestrom va no nokazarenbuowy B Generosenne storo papera et lle-Lunique ros noxonue grapuyka nougreure a que espregarenances boespo-col, ne rontro ecua ypolene baespocol TER TO PETPUL-Melzkelu gerengeneure bouthour no -upexercesely onajochararue pegnacien cadocrecilla Acoeurary ocure grapuly la capace granentoso paccuerpeux, que speulepa, nongreneue runo nouoneereneaux boedpocob Nat 6 upequonomeneus, 20 un replea matriofeneus

Lt1, t2 (uneet Torburge grung t2-t1, Hanout-pune 200 6 cootberething a decropour exercises repererent mano bortpook diomet Toeto reperabreno 6 lugle aguillor reperabreno 6 lugle aguillor (14) Botopocob, nonabulex Ha unrejohon uz rucha nogenen meneriku un rejohonob, nu noropuw John nogenen mpawanyrak [tita].

Echte nhegnonomuro, wo npage ce X(t) cragreenepert in bie unrephony jajouenum umbor opuninobyno gruney, to respe bie bernruming ofuninobyno grundy, to respe bie bernruming of onageibauera ofuninoblo pachpipaniningum denie.

Zore de zahucumerrung englantinomum benie.

Zore de zahucumerrung englantinomum benie. reuna à sonce menkeux un réplenos rge 3º-rucho The governue edupex not precionality of the constant was a promotion of markets appeared the desirence of the constant of the constant (14) et yex nequewo necessary queter unreplana ma-Druggerew resulted palufigerere no Dyger acuministered garding being generally securing the reign acuministered while entire reggerered npegennement reoplemen. Pax(t1,t2) = P/Na(t1,t2)=kg= 2 D(Na+(++,+2)) \$ = SKH 1 V2TD(Na(H, t2)) (x=1,00). (15) B oron noujoure menuin njegeralineered orcyrerame lears poets Kar gonomurenment bepoistaines errequerumo & cyallul biex bepost Me crew leye (15)! $P_{a,o}^{+}(t_1,t_2)=1-\sum_{k=1}^{\infty}P_{a,k}^{+}(t_1,t_2)$ (16)