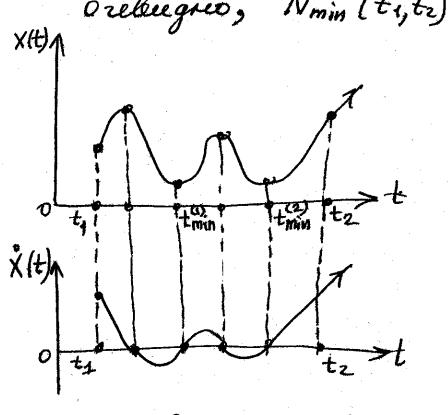
Nekyus 06.04-1 1 copus bredpocob (npogonneereue) Rprenerance respuer boedfacol & uccrego beruno Tenyracituex qynkyali Эистремумов cigraticoex Accregobanue JucupenyueoB quirkyut abaserus ophioù uz mex peneruno koropuez Teopue boud Hocob crena nhunuens roue le camora incuenta ce destin-knobenne uneral yenne pla zadazus stou et nocemu uccaepoblemen, k karoponu ruenocpeq. emberere upunernant 7 depune Accregoldrene sucmperey nol spegcrater ser unrepec gave unover upuno mobiler. Pace suot pull, medpulles, rempo zabary. Invertal reno, repopod que mero me Reamenternes repetinge 6 mondrer t adique resul refies U(t), a ero cropoció U(t) = du - repez VIt) B aron zavere ouempereyment Utt goverera. vorue l'e momenton Brancher, norga скорость тела обращаеть в щерь. Спедоваtentre, rueno ducupeneques U(t) 6 recorepour unerephone [ti, tz] Dyger palemerace may momental introduction ocumanobile При рассмотрениц экстремумов мекогороtenbe. no Englaviro npoyecca X(t) & xarected Eazoboro npayecca npunem ero npouzantemo x(t). Donycmus, 200 project x(t) glanegor quéquepengueque. O dos mêrum repez (x1, x2; t) cob mecraeux jakon pacupequenemen nepleat repour loquest X1 = X u bropoir upayloguest X2 = X uccopieno upo year X 16 sudwent t. Bygan mergesco-Career rueren mereneylet npoyetax 6 rerepbene [t1, t2], voropoe oбjulieur repet Ninin (±1, t2).



Puc. 1. K buruchemuso rucha Muhunyusb npoyecca X(t)

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resko bugens, en l'uspecos enucarence beene

lenge moryt there paccrutation c nordendes knaccurector reoper Parica, us normentedes knaccurector reoper rekulu. Umertus, creptele me upequegyers rekulu. Umertus, creptele rucho munumymob b unreptere [ti, tz] gaero unrerpensu tr

 $\overline{h_{min}}(t_1,t_2) = M[N_{min}(t_1,t_2)] = \int V_{min}(t)dt, \qquad (1)$ 

use unrenculanoers nosbrevius munusig-

 $V_{min}(t) = \int x_2 f_{xx}(0, x_2; t) dx_2. \qquad (2)$ 

Coвершенно анелогично влегислаета среднее гиело максилирнов в [t]:

nmax (titz) = M[Nmax(titz)] = 1, nmax(t) et. (3)
3 gect un rencubriocoto norbinemine maxceremento
V max nogeneros bairen no grapingse Patrica
gra un rencubriocom no grapingse ompugarentias
botopocob za nyreboto ypoberis:

 $V_{max}(t) = -\int x_2 \int x_2 (0, x_2) t dx_2$ (4) Ecan uneresecolaren edujun zuen out FK-Confunyus Next- [ts, tz] безотносительно К мому, какие имению экстремумог именот исто. Nextr[t1,tz] = Nmin(t1,tz) + Nmex(t1,tz). (5)
cpequele rucho suciperagicol recognicion enlaromerro (1), (3) te Vextrl+)olt,  $hextr(t_1, l_2) = J_1$ ye un rencue mouro non breaken many en mentione Vextr(t) = Vmin(t) + Vnex(t) bupanaire by buje Vextor(t) =  $\int |x_2| f_{xx}^{**}(0, x_2, t) dx_2$ . Dance paccuoipune penience zagaz meoples Bacopoco que xore la hocconbro l'or nu randorno CONCRETENT HOUX Zabez, pemeriner x Les c merognerecces rozku zpenent lesexoger za paneku knaccuzecuser resp Слугай переменного уровне выбрасов problem à 30 rotopour parcharpubalores Coespocer, el 19 como zaderencos politication que requirement a (t), Echu Mignoro. gegrenque à (t) que grépaque, roiga b mois zadéré hpusiemins passes nogxog Paramotpune grie enpegenerisconie Emangap receil engran near neurenautock leverspoers, njudgeral reaccion rea puc. 2. Kax u pareles Cheque 6 paccier Menere Inemerepagno dpat(t) mozo, vo 6 npaul nytke [t.t+dt7 usuer suecro nonomurensmont bordpoc.

X(+)V Рис. 2. Похотинання beedpoc apoyecca XH za heperienemour ypobleus alt) Aneronerne upeque jugas rexyeur monerns dpt(t)=9/x(t)<a(t), x(t+dt)>a(t+dt)). gregnerges eur, paznohilie ux no crenense nakou benureum dt, orpeneerelb-Decuarierno шись только гленение нервого породямя (10) x(t+dt) = x(t)+ V(t)dt+o(dt), (11)  $a(t+dt) = a(t) + \hat{a}(t)dt + o(dt)$ . (3), Dygen une me dp+(t)= 9/a(t)-(V(t)-a(t))dt < x(t)< a(t) 4, que ciqueci bobeneme boe opoca mator matheritate, mator exopoció apoyecca V(t) apeleoca aquena exopoció aprenenta exopoció apoyecca aprenenta exopoció a (t), umare apoyecca a He go conenta de de la conenta de la Y deranouymo et mero treamy, Ecru reneps Dyubanano no aropuro bee paccy regenue, orrioconqueux & cryraro a(t) = const(t), ro roze njuexagua k Coepa xururo (+3)  $dp_a^+(t) = v_a^+(t)dt,$  $V_a^+(t) = \int f(a(t), v; t)[v - \dot{a}(t)] dv$ (14)

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of or marcial universally more mano murent man boespocob za nogber meregro zpanuyy Esbeputuro anexornerex C nouvoyero paccy regeneral gas un reveale mount el renament boud pacob za rozano ranggo rhenungy nongraeras enegynouse barra  $V_a(t) = -\int f(a(t), v;t)(v-a(t))dv.$  (15) Crequee ruero nonomurero meno esper yesterement bostpocol no-upericelly Coerus roue no gropey nou Poutca  $\overline{n_a}^{\dagger}(t_1,t_2) = \int_{t_1}^{t_2} v_a^{\dagger}(t) dt$ , grobile  $V_a^{\pm}(t) = \int \frac{[sign(v-a(t))\pm 1]}{2} f(alt), v_i^{\dagger}(v-a(t)) dv_i^{\dagger}$ rogbunuoi rpanuego alt Malt) = Va(t) + Va(t) naxogun crejyrouse boeponienue Malt) = \ 12-a(t) f(a(t), vot) dv. (19) Yucho nepecerenci Malt, tr) npoyecce X(t) c kpublis a(t) b unrepliere [ti, tr] Ma(ti, 12) = Nat(ti, 12) + Na(ti, 12) (50) 6 epequen coeraluis ma(t,12) = M[Ma(t,t2)] = 1/4. Ha(+)dt. begens brepamenne gre coegnux guerennes grunerenement los Ta (tr, tr) ompreyatent mex Ta (tytz) Boethocolo

Ta (t, t) = M[Ta(t, t)] = \frac{t}{2} [1-F\_{\ta}(a(t),t)]dt, (22)

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TOAGKO CHEFHERO CHERCE TOOLS men, cylesturbyner zadaru, rek Theoriem cie pache la rare du sonce genient une despuis-Hansusues, ecru uzgrare rucho berspecel gne gokmaniorno gnumero unrepliena ruence les opocol. restricteme, no moderno ucrossobate annior-amegino zariona pacupierenna Na c nouvelle replientaire of Katle. He to real megocratorne, sharts tektico rums chegical megocratorne, mesoxofiche zhart d'essi-Bercilyanyino querepouro Das enpegenerencemy noramene bolillare.

Hul D(Na) Her npullepe nonurren buoex

bottpocob, 170 obigude npabulary unless  $D(N_a^+) = M[(N_a^+)^2]$ (25)bropero mener 6 (25) npureux borrucreme gereneuro reno pajadhando panere, Dopartuncie in nephoning charactering & (25).

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repecerence ourcanenting oupergycher
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[ti, [2] Ha in Done mention harriver c nouveyoro crejynameno pajouentel! ti=ToくTiくTzくoooくThoくTh=tz· Yuero buthood, nonabune 6 unreplan е номером і = 1,4,00 уменим герез 3; . Scho, 200 (26) Границами ј-го интербала явленотся Tju tj., a ero grune pabriserro Atj=tj-tj В дальновшем буда осуществляться пределений neperog, korga n-zos y a AT= max 2 A Til esperiment k regaro. Pacculotpuis Fremen rapreyro bepartnout

Paa (T, tk) TOZO, 200 b gbyx unrephenax e houspasse ju k umenu suero nonomurent une bostipocon za ypobento a. Case ypobento rorno rek nie, kak в теория Рабка, в этом параspagne crurency noeroneuntry. Blegerenaie beparriets marchearence onjujenierue max;  $dP_{\alpha\alpha}^{++}(\tau_j,\tau_k) = \mathcal{P}\{X(\tau_j) < \alpha, X(\tau_j) > \alpha, X(\tau_{k+1}) < \alpha, X(\tau_k > \alpha)\}. (27)$ ECAU BOCHOA630 latere meropeu Poutra u noq-crurare depentiences (27), cruras st, u st, Deckonierne lianounce benurement, to cobépular

no amenorume upequezy yeney nonymuc

dp++ (Tj, Tk) = Vea (Tj, Tk) ATJ ATK, (28) HE KORPPUYMENT NOU DEJATE lacpaniaire l huje

luge  $V_{\alpha\alpha}(S_1,S_2) = \iint_{\mathcal{X}_1,\mathcal{X}_2,\mathcal{X}_1,\mathcal{X}_2} \left(\alpha,\alpha,v_1,v_2;S_1,S_2\right) v_1 v_2 dv_1 dv_2$ (29) B nocregueur parkent The nog pyrikyueur

for x2 x, x2 (x1, x2, v1, v2, S1, S2) nommemer colonect HERE ZAKIOM PACIFICACIONE CHETCHEN CHETCHEN CHETCHENX

BEAUTHM  $X_1 = X(S_1), X_2 = X(S_2), V_1 = X(S_1), V_2 = X(S_2).$ 

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h meorpanerreneno ybeny rubaerue, a gamma
manto abmero uz much unreplende cipemurul
K nymo. Torga 6 kanyom lez unreplende buga [[]-i, [] nonager me Tonce opino l'ocopoca,

P(3,=1, 5,=1) = dp++(Tj,Tk)=Vae(Tj,Tk)ATjatk (30) equien chejquoijer buja:

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