Trockonsky E[fa(x)-fa)] = = D fu (x) + [E fu(x) - fa)], nordo penen o spero duenepenno D fu (1) Try cit v (t, 2,8): = Ent ut + th 4+2 4+8 & mednonoskenim 14 To etto et a4. 4-10 nopatus (yen. 8) Обозначим X (t, 2,8):= V(t, 2,8)-- [R(t) R(s-2) + R(2) R (t-5) + R(s) R (t-2)] X(t, 1,5) - cen ими вари аму 4-10 перядока cray, engy, noen. guty.

3 amey anne

(2) Ecny $u_{t} = \sum_{S=-\infty}^{\infty} V_{S} v_{t+S}^{T} \int_{S}^{\infty} v_{t}^{T} = \sum_{S}^{\infty} |Y| < \infty$, $|Y| < \infty$, |Y| <

Teopena 3 Tryeto for (1) - ernerk ogenes enekip nnornoen, bunon weno Geneline (i), u 5 /RIV)/ co, ∑ / γ (ti, 2,5) / < ∞, Ty 56 k, → ∞, no ka/4 → 0 pm Torde (2 +210) Sx2(x)dx, x=0, and for Gran 2 f 2(T) S x 2 (a) dn, \= ± TT, f2(x) [2 (2) d2, x to, ±1. On THE Man Horn budop Ky

Benny Teaper 243 npn x to, ± 11 E[ful)-fa)]= Dfu(x)+[Eful)-40)]~ ~ Ky f (x) [1/2 (x) dx + 1/2 k2 { 2/ 2/ RIT) cosx ? }

OTende onthumanony neps good:

kn ~ 1 /28 18 - Kent. T. C. (Kn ~ y n Zyer

TIpu Token bordepe ku E[fu(x)-f(x)]2~ch-2/t1

Bancinn 1 28 < 1

Thyere ecre dea gopg $\mathcal{K}_{\perp}(x)$ is $\mathcal{K}_{\perp}(x)$ c -5 columns of in the summary k_1, k_2 (k_1 k_2) k_1 k_2 (k_2 k_1 k_2).

The second of the summary k_1, k_2 (k_1 k_2) k_1 k_2 (k_1 k_2).

The second of th

Torde 1-ag oyenne acumitos nyque biepas.
Bradinge Taxing uer!

Раздеп 5. Метод макентального правдоподобия и метод нантепьших квадратов в авторириски.

AR(1) - Modent

(1) $u_t = \beta u_{t-1} + \xi_t, t = 1, 2, ...; u_0 = 0, \beta \in \mathbb{R}^1,$ $\{\xi_t, \xi_t = u_t, 0, p, u_t, \delta_t, \xi_t = 0, 0 < E \xi_t^2 < \infty.$

Tords ut = B(BUt-2 + Et-1) + Et = Et + BEt+ + BUt-2= = ... = Et + BEt-1 + ... + Bt-1 E1

Cray no haprom cny your /B/<1.

E(ut-ut)2=E(\(\int\) = E\(\int\) = E\(\int\) = E\(\int\) = E\(\int\) = \(\int\) = \(\int

(2) критический спучай (перстанный) потор. /1/=1

(3) B3p4baro 4, ages absoper pung /p/>1.

 $Du_{+} = D \stackrel{f-1}{\leq} \beta^{i} \varepsilon_{+j} = E \varepsilon_{+}^{2} \stackrel{f-1}{\leq} \beta^{2j} = E \varepsilon_{+}^{2} (1 - \beta^{2t})$ $= O(\beta^{2t}) \rightarrow \infty \quad \text{rpn} \quad t \rightarrow \infty \quad \text{then. Object po.}$

Мы знасті оптинаменний с.к. прогноз чин!

no 4,200, un tert tine = Bun.

hordo ymise ou enubaso B!

Пусть г, ~ дон). Попочину Е:=(21,..., Еп),

Torda 43 (1) E = BU, (2) 21 = B = E Fordy no. Gep. beniops Heeri Genny (2)

Tordy no. Gep. beniops Heeri Genny (2) $g_{\mu}(g_{1}B) = \frac{1}{|aet(B^{-1})|} f_{\epsilon}(By) = \begin{cases} By = \begin{pmatrix} y_{1} & y_{2} & y_{3} & y_{4} & y_{$ = 17 9 (yt - Byt-1), ree y= (y1, 11, 1/21). O.n.n. ong B - pewetine 3 adayy (3) lu qu (U,0) = Elug (ut-Out) -> max Дпя спадкой з уравнение наке правд. (4) \\ \frac{\g'(u_t - \rightau_{t-1})}{\g'(u_t - \rightau_{t-1})} = 0. Thereof $\xi_1 \sim N(0,6^2)$ Torde $f(n) = \frac{1}{\sqrt{2\pi}} e^{-\pi^2/26^2}$ h = 3adays(3) $h = \frac{1}{\sqrt{2\pi}} e^{-(u_1 - \theta u_{1})^2}$ $h = \frac{1}{\sqrt{2\pi}} e^{-(u_1 - \theta u_{1})^2}$ Mocnedugg zerdang 7kb. enedynow, en; (5) \\ \frac{\gamma}{t=1} \left(u_t - \text{O} u_{t+1} \right)^2 \rightarrow \text{mun}{\text{DCR}^7}

Решение (5) - 0. п. п. (6) Muith = 5 44 14/5 42. Eeny Mes ne apednonaraen rayee &, 50 решение задачи (б) сеть оли.к. (7) Buins = = = 14-14/ = 12 Оцина Вили - параметрическая, 3 виля - neneysamespureckag. Hpumep 2. Ex a hap (1). Torda g(n) = = = e - > |n| , > 0. 3 a days (5) un cei bud E lu 2 e -> /4-04-1/ -> max DeR1) 450 7K6, 3 andaye (8) \\ \frac{\Sigma}{\tau} \left| \(\alpha \) \\ \tau_4 \- \alpha \) \\ \tau_4 \- \(\alpha \) \\ \tau_4 \- \alpha \) \\ \tau_4 \- \alpha \) \\ \ta Решени (8) - О. М.П. Визых. Enn parp. E, nen 36. , To peur. (8) -- O. H. M. Ph, LD .

Oyuma puis ne bomueurbacies glono!

Paremotpun enyran vayecobehux { 2+ 1, 2, ~ N(0, 1) Tokarken, 450 dn (B) ~ In (B) apa 1170, где Іп (В) - информация фишеря опаран. В, codepokaufageg 6 491 ..., un, Dencibu Teneno, a noieny Ja(p) = Ep (3p luga (4,p)) = Ep (3p (-1 x x \(\left(\left(\frac{1}{4} - \beta \gamma_{t-1} \right)^2 \right) = E_{\beta} \left(\frac{5}{4} \gamma_{t-1} \left(\frac{5}{4} \gamma_{t-1} \right) = \frac{1}{4} \left(\frac{5}{4} \gamma_{t-1} \right) \left(\frac{5}{4} \gamma_{t-1} \right) \right) = \frac{1}{4} \left(\frac{5}{4} \gamma_{t-1} \right) \right) = \frac{1}{4} \left(\frac{5}{4} \gamma_{t-1} \right) \right) = \frac{1}{4} \left(\frac{5}{4} \gamma_{t-1} \right) \right) \right\ \frac{1}{4} \left(\frac{5}{4} \gamma_{t-1} \right) \right\) Ho $u_{+} = \sum_{j=0}^{4} \beta^{j} \sum_{k=j}^{4} \gamma_{k}$ $Eu_{+}^{2} = E\left(\sum_{j=0}^{4} \beta^{j} \sum_{k=j}^{4} \gamma_{k}^{2}\right)^{2} = \sum_{j=0}^{4} \beta^{j} = \int_{1-\beta^{2}}^{2-\beta^{2}} \beta^{j} dt$ Shank $\int_{1}^{4} J_{n}(\beta) = \int_{1-\beta^{2}}^{4-\beta^{2}} J_{n}(\beta) \int_{1-\beta^{2}}^{4-\beta^{2}$ The (R) ~ \[\langle \frac{\partial}{1-\beta^2} & \frac{1\beta^2}{1-\beta^2} & \frac{1\beta^2}{1\beta^2} & \frac{1

Paenpedenence kouin c rap. (0,1) asosu.

(10,1), T.e. $f(n) = \frac{1}{4} \frac{1}{14\pi^2}$ (1765) W(s), $s \in [0,1]$, esand. bun. rpoque.

050 suayum H(s), ls = 1, paenped. en 6.

B. $\frac{W^2(1)-1}{2^{3/2}} \frac{1}{3} W^2(3) ds$.

Tespens 1

Tyers 22+3-4.0. p. en. 6. , E, ~ N(0,1) Torde

d. (B) (Bulmh-B) d N(0,1), 18/4,

H(B), 18/=1,

(M(0,1), 18/>1,

Пономин для креткости $M_{n}! = d_{n}^{-1}(\beta) \sum_{t=1}^{n} \xi_{t} u_{t-1}, V_{n}! = d_{n}^{-2}(\beta) \sum_{t=1}^{n} u_{t-1}^{2}.$

10-25 du (B) (Bu, Mh - B) = Mu/V4.

Tigut fultis) - cobricerras xerpantepueturichas

pynkung Mun Vn. Tords (en. [Rao M.M. ann.

Statist., 1878, V. 6, Pp. 185-190])

(9) fultis) => fltis) = {explis-t2/24, 18/<1, (1+t2-2is) -1/2, 18/>1.

1 18/21. Terda fetis) ein xap. ø-ng beniops

(3,1)?, rde z~ N(0,1). Denesbusentono, 4(t,s) = E e i(tz+s.1) = e is - 4ztt) = e is-t/2

Теорет о настебованни слабой ехединали.

Tyers eny r. ben sep $S_n \stackrel{d}{\to} S$, $n \to \infty$, $g = S_n$, $S \in \mathbb{R}^k$, $g = H: \mathbb{R}^k \to \mathbb{R}^1$ Sepenetering $\phi - ug$, nemperon broad we will be A Tanon, into $P(S \in A) = 1$.

Torda $H(S_n) \stackrel{d}{\to} H(S)$, $n \to \infty$.

Унас венну (9) (Ми, Vи) то (3, 1). бени Н(гид) = гу, То Н(гид) непрерыты при 4 > 0. Можно взять

A = {y: y > 0 9, P((3,1) = A) = 1. Benny Teap.

O neucred maran exadences

" In (B) (Buinn -B) = Ma/Vn = 4 (Mn, Vn) = H(3,1)=3.

(2) 18 > 1. Torder f(t,s) ense xap. \$ -ug bentope (32,122) 1 rde 3,2 ~ N(0,1), 3n2 me 3ab.

Denebutenono, Ee it(32) +isp = $= E E \left(e^{it(32) + is72/2} \right) = E e^{is72} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{it(32) + is72/2} \right) = E e^{it(32) + is72/2} E \left(e^{$ (Eeilx, = (1-2il)-1/2) = (1-2is + 2+2/2)-1/2 = (1+t2-2is)-1/2 = 4(t,s) 3 HONT, (Mary) = (32, 22), du (A) (Buinh - A) = Mulvy 2 32/22 = 3/9 ~ 2/10,1)

3 Пусть В=1, случай В=-1 анапогичен. Torda My = 12 2 2 4 4-4) V4 = 2 5 427.

Dance, ut = 4++ 1 = 2++ ... + 2+.

Введен киферовский последоваяснымий процие Wh (s): = 2 -1/2 [E; , 5 [[0,1]) W4(s) =0 np4 0 = 5 < 1/4. Tord9 $n^{-1/2} = W_n \left(\frac{t-1}{n} \right)$

Thy 476 1 Wy (t) = Wn (t) - Wn (t) = 8+

Tordy
$$M_{n} = \sqrt{2} \sum_{t=1}^{N} w_{n} \left(\frac{t-1}{n}\right) A w_{n} \left(\frac{t}{n}\right),$$

$$V_{n} = 2 \sum_{t=1}^{N} w_{n} \left(\frac{t-1}{n}\right) A w_{n} \left(\frac{t}{n}\right),$$

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$$V_{n} = 2 \sum_{t=1}^{N} w_{n} \left(\frac{t-1}{n}\right) A w_{n} \left(\frac{t-1}{$$

дпз мобой бор. скага. У. 3 Denest. 10446 3=2 dag zigeRt. Torde 9 = P(2 e f -(A)) = P(f(2) EA). Thyere My = 52 & w(t-1) & w(t) $V_{y} = 2 \sum_{t=1}^{n} w(\frac{t-t}{n}) \cdot \frac{t}{u}$ $\overline{V_{y}} = 2 \sum_{t=1}^{n} w(\frac{t-t}{n}) \cdot \frac{t}{u}$ $\overline{V_{y}$ Mo My C. S JES W(s) ol W(s), Vu C.K. 2 5 W2(s) als. 3494 mi, (My, Vi) Tob (V2 Sw(s) dw(s), 2 Sw(s) ds), 4, en Debasenono, 1 (12) $\frac{M_n}{V_n} \rightarrow \frac{\sqrt{2} \int w(s) dw(s)}{2 \int w^2(s) ds} = \frac{w^2(4) - 1}{2^{3/2} \int w^2(s) ds}$ Wocken by 9/4 (B) (B4,44 - B) = H/4, ecosn. (71)-(12) Breny , 4.76. Teop. 4.7.2.

Max, 9, (B) (BuiMA - B) \$\frac{1}{2} \langle N(0,1), |B|<1,

H(B), |B|=1,

K(0,1), |B|>1.

Teopens, 2.

Tigers . 3 24 y - 4.0.p. N(0,1) en. 6. Tarde $\int_{t=1}^{n} u_{t-1}^{2} \left(\int_{p_{n,MK}-p}^{n} M(0,1) + \int_{t=1}^{N(0,1)} \int_{t=1}^{n} H(p), |p|=1.$

3 deu $\widetilde{H}(B)$ - pacnp. en. 6. 1 $\frac{w^2(2)-1}{2\sqrt{5}w^2(3)ds} = \frac{5w(s)dw(s)}{\sqrt{5}w^2(s)ds}$

DOK-60. \\ \frac{5}{t=1} u_{t-1}^2 (\begin{pinklet} \begin{pinklet} \begin{pin

rde Mn=dh-(B) = 9+ 4+-1 1 Vn = 9-2 (B) = 4-1

1 18/21. Torda (Ma. Va) do (3,1) To mayor Ma / VVn do 3/ VI ~ N(0,1)

2) 18/>1 Torde (Mulvy) T do (32, 22) T, 3404 hr.

My Min of 32 = 30 sign 2 ~ N(0,7)

(3) P=1 Tarda (Mu, V) T ds ((1 (w2(1) -1), 2) w2(s) ds).

Thayan, Ma/JVn do w2(1)-1
25 w2(5) as 4.5.2

-65-Об оценке напиеньших квадратов в авторегр. Econ { Ety 6 AR(4) 4p-ny

(B) 4- But + St, 40=0, t=1,2,-, BERZ, есть 4.0.р. N(0,1) сп.в., То 0.4. г. - реш. задану

(94) = 1 (4-04-1)2 -> min

Ести же 38+3-4.0.р. ел.в. е неизв. распр., То 3 orday a (14) empedens & O.H.K.

Buins = 2 4-14/2 41.

O. M.K. Buins - henopanetpuyeckag!

Teopina 3. 11456 Ut - Prutitity, 18/41, 18/41, 46-3 Eenn 284 y -4.0.p., E 3 = 0, OCE 3 2 < 0, TO 11/2 (Bu, 15-B) & N(0, 1-B2), 4700.

3 ane 4 anne.

Bexenc (13)

Benn | | = 1 , To 1724 Es, =0, 0 < Es, 2 < 0, 1843 - 4.0.p. dn (B) (Bn,15-B) = H(B).

@ genn 18/>1, 50 6 yen, 0.0 dn(B) (Buins-B) of 131 B = 1-1 1 88+ 9, 88+5 - 403. 5 1 2 5 5 5 1-1 noen. c no. p. KOMP.

Док-во Терепиз Предогоножин дополни Гельно, что Е/Ез/2+8 го при искоторон 8>0. Пусто еще equicity is ren top. En agen) no rupe Nevers. При 11/1 сущ, строго изинонарные решение урия AR(1), one uncer bud 4 = 5 8184 4 pgd CK. exodures (8.e. exed. 6 h2). Trongmen 1 400 9:0; pgd exodures & h 2+0 4, 3 hanni, E/4/200 Copabedono 60 tup- 60 May kobekoro:

tem $E|\xi|^{2t\delta} < \infty$, $E|\xi|^{2t\delta} < \infty$ open $\delta > 0$, To $\frac{1}{2} E|\xi|^{2t\delta} = \frac{1}{2} \frac{1}{2}$ Inami i noen. { Suy your nonx your fyindamine, 4

1992 4 = 2, 18 54 y exed. 6 12+5, E/4/215/20 i) Buins = = = ut-1 ut / = B+ = ut-1 4/ 5 4/ 5 a42 (By, us-B) = 4-1/2 = 4+1 5+ /55 141. 2) Menny pez-ol Mokkaden (1888)

пост. Ечту удова, уст. сл. с. козффицистом $d(T) \leq C_{\lambda}^{\tau}, \quad o \in \lambda < 1.$ of (u_{t}, u_{t-1}) Troen. 2944-1 = (4-B4-1) 4-14 Form you yen. C. A. C 2ken. 845. Ko 366. $\mathcal{L}(t) = c' \lambda^{\frac{2}{5}}$ $\sum_{\{2,1\}} (\mathcal{L}(t))^{\frac{2+\delta}{2+\delta}} \leq \sum_{\{2,1\}} (c' \lambda^{\frac{2}{5}})^{\frac{1}{2+\delta}} = (c' \lambda^{\frac{2+\delta}{5}})^{\frac{1}{2+\delta}} =$ E 2 4 4-1 = E 2 + E 4-1 = 0; E / 2 + 4-1 = E /2, | 2+5 E/4/50 Benny 4, 7. 8. Ing noen. e e.n.

n-1/2 5 2+ 4-1 \$\frac{1}{2} N(0, 12), rde Δ2 = E(ε, 40)2 + 2 Σ Ε (ε, 40 ε, ε ων) = 4) 4-1 = 12 n.H. = E40 6 chry 3.6.4. Ing noen cen 5) 3 nount 11/2 (Pn/15-B) = 1 N(0, E = E42). Tiped. Inen. cet E 9,2 E 40 / (E 42) = E 8,2 / E40 = 1-B? 4. T. 2. 1cop. 3 don. 1307 de bashus x bonpoca:

Финтобрано непаратебричение оценки, астипобрания спресовение, ис меньший аке, днепереней, чем у с. и. к. ? Будит пу оценка и.к. Ви, ко 1 Д В-робаста

Э жак страни рабастина ощения в В-робасти.

For Dog, now; of = B.

D. Eenn ey u, ces by es repeden IF(0x, 1/2):= hu = fr-00 , 70 TElogy (4) nasubacing fyorky nonanen brugung Eem &-an bungung eyu, cer 67 cr, 50 By = 00 + IF(0y, 45) / to(x), x =>+0; F.E. IF (91/43) X apar Tepu 7 yes rabum my-men um no y your 6 pasnowemen Naen moro-Тического емещения вр-во = д-р. A. Beanymus GES (by, M3): = sup [IF (by, M3)]

Mash baretes ryberby Temporism

o4 coken for & Best 3 enopening 4 (but pocan).

Zeem GES (by, M3) < \infty, To raduous rocci E acentito in yectoro en eu, ening IFlox, M3) & I pabnomepno no piz man npu mannex f. 1. Earn GESley, Mg) <0, To ochemna fin nasay bourse posacinai no eneu, emmo, may

B-parecinen.

(виборочние среднее) - 70-Whint 1 1 4 = 5 + 5 + 2 #t=4+2/3+ 1 == 1, ..., 4, (EE, =0 (rords E4=9), E/31/co Возьмен оцина 9 энп. ередне 7= 4 5 4. Tords of SE(4+28 &1) = a+X E & = b's

d-us of enperences up beex X, 10x = E = IF(0x, Ms). Eem M1 - Knace роспреденений с консумом первосн помоном, то GES (g, M1) = sup | E31 = 0! O yenne \$ g ne B-podacing! Пример (выборочных неднама) Tigesto 4 = 4+ 8+, { 28+3 - 4.0.p., 3 ~ 6(m), 6(0)=1/2 Terde p.p. ut cere F(n)=6(9-9)4 Fla)=1/2. 34ayur, 9 cere meduana Fy 5 non monana 6. Z genn ε_{1} uncer enun eign una sino enientho ε_{1} unique ε_{1} unique ε_{2} unique ε_{3} unique ε_{4} unique ε_{4} unique ε_{5} unique 2 9- md. F, none-moderang

Tiyes 4 = 42) = ... = 64) - bapueu, pgd. D. Benuruma $\Lambda = \begin{cases} u_{(k+1)} & u = 2k+1 \ (u=0,1,...), \\ u_{(k+1)} + u_{(k)} & u = 2k \ (k=1,2,...) \end{cases}$ называется выборочный меднамой. Выбер поднать - один из кервей уравнения lule) = 11-15 sign (4-0)-0, Sug $n = \begin{cases} -T, & n < 0, \\ 0, & n = 0, \\ 1, & n > 0, \end{cases}$ $n = 2 \qquad 2$ <u>u=1</u> <u>410</u> Flying Teneps Jyt = 4+ 2 3+) ut = a+ 9+ 1 +=1, ..., h, int noeipoena no 144. Torda (" (0) = n-1 = sign (y+-0) => E sign (y, -0)=16. Tig 456 eg 14, e46. g(n) = 6'(n), sup g(n) < 0, § /o) > 0,9 непрерывна

Torda 1 1 (10) = E(1-2 I(4,-0 =0)) = = 1-2 FT(E, = 0- q- Z/ 5,1) = 1-2 F6(0-q- Z/5) Упрани нение (Sign x = 1-2 I(x<0), x +0) Eenn 347 mc3. en-6. 17- duekpeine 150 Eq(3,2) = E Eq(3,7 m) P(1 = 1/k) = E E(4(3,2)/Hk)x *P(HK), rde HK = (w:2=7K). ** **R(MA) (Eq (3,2) = E(9(3,2) \(\sum_{k} I(2=\gamma_{k}) \) = ...) 3494hi, 14 (X,0)=1-2(9-4) 6(0-9)--2/EG(0-9-31). (H,=(8,=0), Hz=(2,=1)). По Теорене о незвиси ф-ии (ви усл. выполи.!) 3p-ne 14(x,0) =0 1 (0, e) =0, 3V (4.0) (9.1) uncer pecu. of upn W/co, 10-a < 2, 00 = a, Cy 41, a very dex 1 = - (2/1 m(0,e)) 2/1 (ge) 01/KIB) =-25/0/20 00 /=0 0=9 - 1-2E6(-31)

Torde

IF(0y, M3) = 1-2E 6(-31)
2510). GES/0, M/2) = sup | IF (0, M2) = 1 /2 flo) < 0.

1 be perent. OAM(810) = -2(1-8) g (0-9) - 2 y Eg 10-9-31) <0 9-1 10 2 MM (8, 9+1 <0 3naymin, / but glog - a) = A M (x, 0, - a) >0, [Pay (0, ta) = 1 M (8, 9 +1) < 0, Значні, є вер. ском угодно блика к соги. при доет больших и, ви кории уравненто ly = 0 (u med nano!) nomar 6 uni. (of - D , (+ D) . hos - moder, 5.0 B my 30, 4700.

Bord. med. mu - B- pod nesture up 4.5.2.

Как находить функционали влидиня в общи ситуаци Tyers oyenke Bu unjeres kak kopens ypablienns (1) $l_{n}(0):=k^{-1}\sum_{t=1}^{n}P_{t}(\mathcal{G}_{n},0)=0.$ Пусть выполнения следующие условия. (i) lu10) = 12 = 12 (4 (Ju10) -) 1 (X,0) npm 8 cm 10-β/25, 0=8 < 80. Haracerreconsumas Arragualyka) raspredence open box fff sfo. (ii) A (0, B) = 0.

(iii) Tyero A (y, 0) no mno Backyrakanaranover corp. manage 8 & Tak, 400 ppu 10-15/28, 18/-80 cy 4 certifica 4 respeptibling no nape aprynemiel (8,0) tacinne monsbodnne de (x,0), de (x,0). (iv) Their $\lambda(\beta)$: = $\partial \Lambda_{10,\beta}$ $\neq 0$. (henp $no\theta$.)

Teopens 1 There born yen. (i)-(iv), $\mu \neq \mu \qquad \forall t (y, 0)$ Tords $y_{p-ne}(1)$ c beposinocius, espens $\mu \leq q_{m-1}$ HY4e 17ph h70, unces Rouse 1/24 does many & Take pemerne pro 4 To easi big city mu, ag 04 mme Bu > of, to =0, u cycl, ces by es TF(0x, Mg) = -(N(B)) = 10,B).