1) Tycms + v+0 lim |Xst. V| = +co Yst = Ys. Xst + Rst $(y'_s - \overline{y}'_s) \cdot X_{st} = \widehat{R}_{st} - R_{st}$ $(y_s - y_s) \cdot x_{st}$ $(y_s - y_s) \cdot x_{st}$ $|t - s|^{2x}$ $|t - s|^{2x}$ $|t - s|^{2x} \Rightarrow y_s = y_s$ C $num - \mu a - \mu e e$ Yst = 7. Xst + Rst 2) t = 0.t + t = 1.t + 0 => rpouglog. Tydureum onp-na neg-n

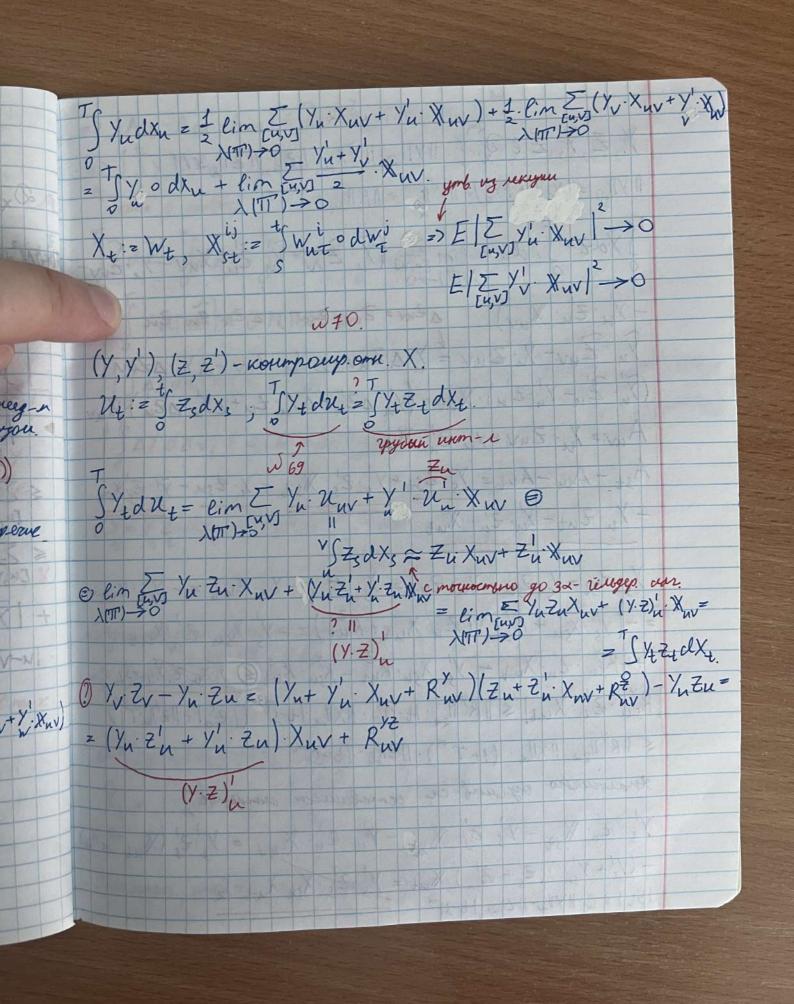
y' Rot y' Rot

| Wt-wsl | Wt-sl | 1/2 | 1/3 |

| Im | It-sl | 2 | 20.lim | 1-sl | 2 | 1/4 |

| Im | It-sl | 2 | 20.lim | 1-sl | 2 | 1/4 |

| Im | It-sl | 2 | 20.lim | 1-sl | 2 | 20.lim | 2 Judxu= lim Euns (Yu Xuv + Yu Xuv) = lim Z (Yw Xuv + Y' Xuv) = lim Z (Yw Xuv + Yuv) = lim Z (Yw Xuv) = lim lim Envo u Xuv = lim E /w Xuv (cb-lo vum-ra Jonna)



 $Y, Z, \overline{Y}, \overline{Z} \in \mathcal{Q}^{2d}$, $\|y\|_{\mathcal{Q}_{p}} \|\overline{y}\|_{\mathcal{Q}_{p}} \|z\|_{p} \leq M$ 11 y110 = 1 y0 1 + 1 y' 1+ 11 y' 11 + 11 R11 20 TSYdz-Sydz= lim Eu,vs (Yu Zuv + Yu Zu Xuv - Yu Zuv J: - Yu Zu Xuv) DZuv= Zuv ; AZu= Zn-Zu Yu Zuv - Yu Zuv = Y AZuv + DYu Zuv + DYu DZuv (x' Z' - Y' Z' u) · X uv = (Y' · OZ' + AY' · Zu + DY' · OZ') · Xuv Aux: = /1 - Zuv + y'u Zu · Xuv Ast - Asu - Aut = /s. Zst + /s. Z's Xst - /s. Zsn - y'. Zs Xsu - Yu. Zut - Yu. Zu. Xut Ys = Zst - Ys = Zut - Yu = Zut = /s = Zut - Yu = Zut = - Ysu = Zut = = - (/s · Xsu + Rsu) (Zu· Xut + Rut) = - /s · Xsu· Zu· Xut + -Rsn-Z'n Xut - Y's Xsn Rut - Rsn Rut = - YiXm Zn Xut+S1 Rsu Zu Xut = 11R 112 1t-s)24-11X112-1t-si (1201+1121/2TX) € 11R 1122 11X112 · (1+ T ") · 112112 · 1t-51~ Анагошено оченив-са оставшиеся стагаение. Y's - 2' X A - Y's - 2's X - Y'u - 2'n X uv = Y' - 2's (Xut xxx) - (Ys+ Ysn)(Zs+ Zsn) Xut = Ysits Xsn Xut+S2 15: 15 C.11412-1121/2.1t-51

=> |Ay-Asu-Aut | = C. || y || 2 | 1 2 || 2 | t-s| 3x => | 5 yudzu - /s. Zst - Y's. Z's Xst | = @ 11 y11 2 . 11 2110 . 14-51 3x 1 rema o combre => |5 Yuchtu| € C! || YII2 || 12110 JYdz-Jydz=Jydaz+Jaydz+Jaydaz | | | Y d (DZ) | = C. M. 11 DZ 1/2 1 5 ΔY d= | = Ch|| ΔΥ ||2 = > | 5 ¥ d= - | Y d= | = 4 cm (|| ΔΥ ||2 + 4 cm (|| Δ ||2 + 4 c 15 AY do 2/ = 2 CM. 11 AZ 112 $\frac{dY_{t}=g(Y_{t})dt+f(Y_{t})dX_{t}}{\hat{X}_{t}:=\begin{pmatrix} t\\ X_{t} \end{pmatrix}; \hat{X}_{st}:=\begin{pmatrix} t\\ S\\ X_{sn}du \end{pmatrix}}$ x Xxt Novamen (mo (x) x) - pydaa mpaexmypua.

1) Xst=Xsu+Xu+; +-S= (+-u)+(u-s) 2) (t-s) = (t-u) + (t-u)(u-s) + (u-s) t Xii = Xii + Xi + Xi Xi t SX stat- SX stat- SX u tate = S X stat- SX utate = 5 X sudt = X su (t-u) | \$ (u-s)dxu | 5? Aux: = (4-5) : Xuv => | Aux-Aux-Arx | = 11x11, 1/n-v1+2 => | \$ [u-s)dxu | < C. | +- s| 1+2 = 0(t-s) 20 rema o cumbre => (X X) - pyraa mpaeuropua. =>]! Yz ra [0, []: d Yz f (Yz) dx $= \frac{1}{2} \frac{1}{1} \frac{1}{1} \frac{1}{2} \frac{1}{1} \frac{$ Sf(Yn) dxn = ein [[(f(Yn) xuv + (f(7)) - Xuv =

2 lim Zuy g(Yu)· (V-u) + f(Yu)· Xuv + (f(X.)) xut D(U-V))

2 Sg(Yu) du + (f(Yu) dXu.