8 SUNET

REONETPULECRUS B3MAA HA AY

$$X = f(t, x)$$

$$f: \Omega \rightarrow \mathbb{R}^{n}$$

$$X = f(t_{0}, x_{0})$$

$$X - x_{0} = f(t_{0}, x_{0})(t_{0} - t_{0})$$

$$(**)$$

JL-PACLIMPEHLIDE PAZOBOE

NPOSTPAKCTBO (= PAZOBOE NP-BO, 40NONMEHLIDE KOOPAMILATOUT L)

X(t)-PEW-WE

PPUBAR {(t, X(t))}- WETETPANDERAR

RPUBAR

ANA ABTOHOMUBIX MY:

$$\hat{x} = F(x)$$
 $F: \mathcal{N} \rightarrow \mathbb{R}^n$

TPA- DOOD (NOVENUS TYT)

TPA- DOOD (NOVENUS TY

Se R×S

Onp. (WHIEPHET) PAZOBOE NP-BO - 3TO NP-BO, TOURA B ROTOPON DNUCLUBART COCTORHUE BOET CUCTEMBY B PUKCUPOBAH-HOU MONERT BRENEFILL

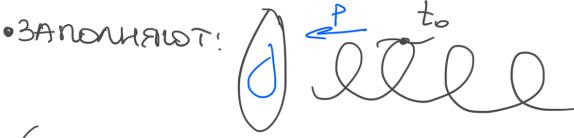
MELLANDELEHUE: WHETERPANDIEDIE RPUBBLE (*) = RPUBBLE, RACADUSUECA MPANULEX (**) B RAWINDUT CBOSG 40 mp (fo Xo)

M-BO! RAC BERTOP R WHITET PPUBOG;

 $(1, X_1(t_0), ..., X_n(t_0)) = (1, f_1(t_0, x_0), ..., f_n(t_0, x_0))$

LEMMA. MYCTO FEC'(), TOTAA TRAEKTORUM X = F(X) WE REPECERATERY U 3ANONHAIDT BOE PASOBOE NP-BO J

A-60:



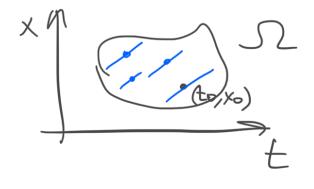
LACAT. Y ECTS TPAEKTOPUS

· HE NEPECER! MYOTO X, X-PEW-UA $\mathring{X} = \mathcal{F}(X) \quad \times (\mathcal{L}_0) = \chi (\mathcal{L}_0) = \chi_0$

TORAA $\overline{X}(t) = \overline{X}(t-t_0+\overline{t_0})$

X- TOWE DEMENUE $\overline{X}(t_0) = \widetilde{X}(\widetilde{t_0}) = X_0$

T.E. X, X-PEW-WE OFFEDG 3, ROWU =>X = X => TPAERTOPUU X,X COBNAAAWI HO TPACKTOPUU X, X COBA. NO NOCTEDEHUND

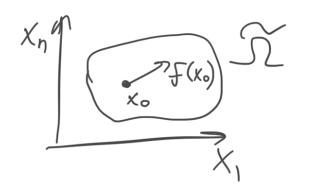


NONE MANPABREHUUS: De Manpabrehuu;

Ang Kamadu Touky

De 3AAAHA MANAG, MPOXOGAULA9 LEPES MEE.

ABTEHONIEDLE CONSUACE:



BEKN NONE: B RAWAOU TOURE 3ALAH BEKTOP