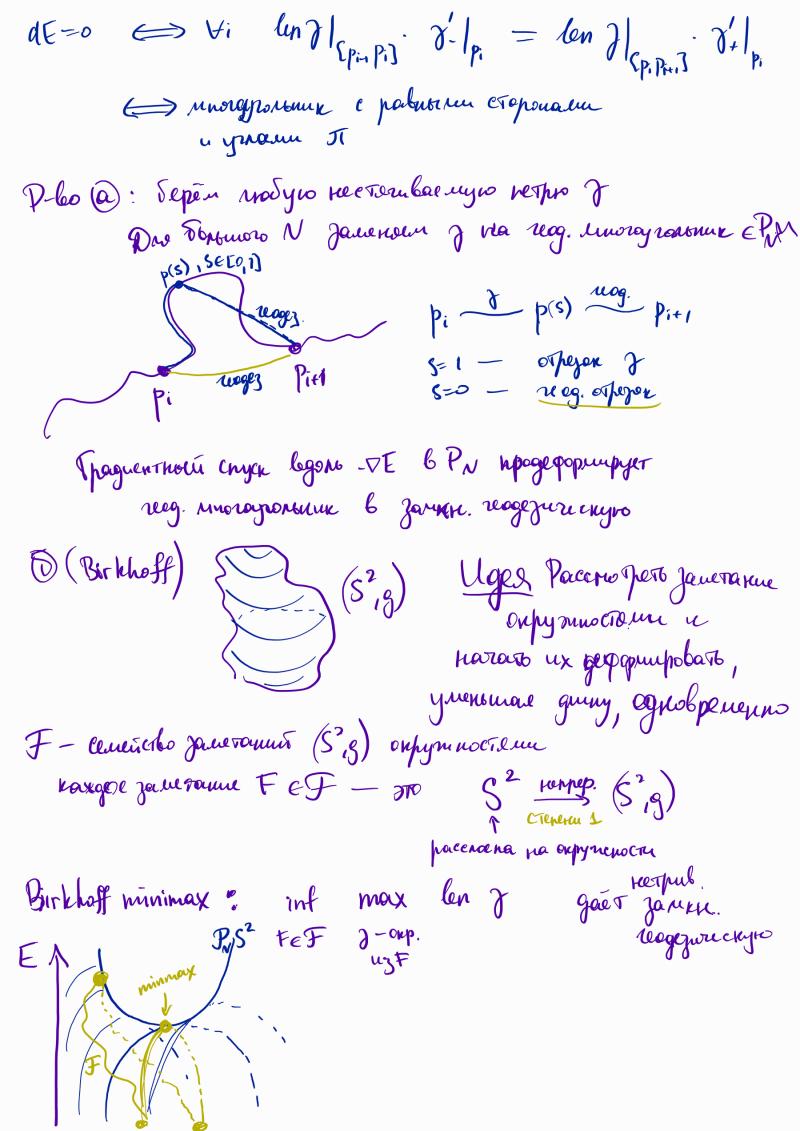
М - помпантное риманово миогооразие
Kpuban J: [0,1] -> M najorbantas reoggierenan, cenu manous minuruzupyem gynkisuonas grunos, T.R.
Minupurzupyem Gynkijavian grunoi, T.C.
gre moder goctatorno surjeux oftet's orphezon detiti
gre mostre goctatorno surjeux oftet' et ospejor d'[1,1'] phuba upou rainneis grunn nexgy d(t) u f(t') Poupoe: cyanecobyer un perunyone reogezusechar na M?
T-ma (Lyusternik-Fet, 1951) Da
Uges 6 2D: M mos recophoebeque (II, rempubliment) uns Begnoebequel: M= 52
(a) (Courton-Hadamard) Cuerova - mogezureckons
Nerria Moder goerate un Spuziere Tother x, y e M blerga nompo cagunite egunciol mois reogrepare exect
PNM - npoerpanciós regrezarecano uno royro unintes no N bepumax
Proposition de la la dist (propier 2 dist (propier) < E
$E: P_N M \rightarrow R$ $(p_{N \in I} = p_1)$
$E(P_1, P_N) = \sum_i dist(P_i, P_{i+1})^2$ magnere 6 orchestrosse $P_N \subset M \times \times M$
magkene offethouse to c MxxM
Лемма Критические тогки Е - заиннутки пеодезекские.
$d\left(dist^{2}\right)\left(\xi_{p},\xi_{q}\right)$
= 2 dist(p,9). (\]-\[\alpha\]-\[\beta\]+\[\beta\]-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
$dE(31,,3n) = 22 \langle 5; len j \cdot j - len j \cdot $
- len x / Epi, pin ? 7+ /pi /



Inoparthouse repulser no Supersoy: $J: S' \rightarrow M$ Joinapaux Puzobana grunon gym, N > 1 quicup.

Paza 1: hpogrepo pum pobato J b reagly. unoroyronomick J has be pum no $\chi(0)$, $\chi(N)$, $\chi(N)$, $\chi(N)$, $\chi(N)$.

Paga 2: hpogrepo pump douto J' b regionoroyr. J'' has be pumposed J'(N), J'(N)