Scarpa.
- auswers only const. wass.
- hol map ficiph -> C (s constant (*)
- hol map fillp -> & is constant (*) -> so let's pass to the covering q-> pm - flift q s.f. q= To q (IP -> TT
to covering map local biholomosphism
Claim: è is holomorphic
Lemma. 4: (M, Jn) -> (N, JN) is
Lemma. 4: (M, Jn) -> (N, JN) is holomorphic iff 4.0 Jn = JN04x
-> clear if we write (~R2) = (1)
Z= x + 2 y f: C-> C = f, + 2 f z
-> clear if we write $(P^2) = (1)$, $2 = x + 2y$, $f: C \rightarrow C$, $f = f, + 2f$ $= x + 2y$, $f: C \rightarrow C$, $f = f, + 2f$ = x + 2y, $f = f, + 2y$, $f = f, + 2$
-now 9x = Hx ° 9x , 50 9x 50 9x 50 9x
ques Txoqxo Jcpn 5 Jmno Txoqx = Txo Qxo Jcpn 5 Jmno Txoqx
=> q is holomorphic, so by (+) constant. 1
and replace To we mid. whose univ. cover a Com
and repeat proof.
- but also, maps from opt. Fano vars to Eq.

- secall that on a Flemann (Mg) & coolds

s.f. hear peM, y; = S; +6(1x18), Tik(p)=0.

-take (M, J, g) cpx mfd w herm, metric, write w= g(J-)-) as w=igat dzaldzb

Lemma tpet 3 hol. coordinates is s.t.

gat = 8a6 + 6 (|vi|2) iff g Kähler.

9 at (2)=8 ab + A at (2°+ A at = 2°+ 6 (1212)

-> hesmitianness => Fate = A ab = = A 6 a =

write 2°= w° + 7 B° 6 cm b 20° , B° 6 c = B° (6c)

and gather terms in g(10), a = g(2), a = 22° 27 d d w calded

-> constant terms Sab

-> lin. terma possible to choose vamshing

Holomosphic sectional curvature - for a plane To Cotto . + may happen that Jp 25 & to at some pt pet with ve to.
- we define hol. sect. Coov. Kp where we restrict only to cases Jtc Ct.