$$T = \operatorname{Spc}(A, A^{+})$$

$$Mops (T, y_{5}^{\circ}) = \begin{cases} T^{\sharp}, T^{\sharp} \longrightarrow y_{5}^{\circ}, \\ Woe(R^{+}) \longrightarrow A^{\sharp, +} \end{cases}$$

$$= \begin{cases} (A^{\sharp}, A^{\sharp, +}) & Woe(R^{+}) \longrightarrow A^{\sharp, +} \\ ED & \longrightarrow \operatorname{inverhile}, A^{\sharp, +} \end{cases}$$

$$= \begin{cases} (A^{\sharp}, A^{\sharp, +}) & \Omega_{E} \longrightarrow A^{+} \\ ED & \longrightarrow \operatorname{inverhile}, A^{\sharp} \end{cases}$$

$$= Mops (T, S \times Spl \Omega_{E})$$

$$y_{s}^{\diamond} = S * S_{r}^{\flat} G_{E}$$

$$y_{s}^{\diamond} = S * S_{r}^{\flat} G_{E}$$

$$y_{s}^{\diamond} = S * S_{r}^{\flat} G_{E}$$

$$y_{s}^{\diamond} = (S * S_{r}^{\flat} G_{E})$$

$$y_{s}^{\diamond} = (S * S_{r}^{\flat} G_{E})$$

$$y_{s}^{\diamond} = (S * S_{r}^{\flat} G_{E})$$

$$E_{\infty} = E I \pi^{\gamma_{p^{\infty}}, \gamma}$$

$$y_{s} = S_{p_{n}} O_{E_{\infty}}$$

$$S_{p_{n}} O_{E_{\infty}}$$

$$V_{s} = D_{s, post}$$

$$V_{$$

Then 1 (i)
$$y_s = 0_{E_{\infty}}$$
 is perhabited.

(iii) y_s analyha adic space.

$$\begin{cases} S^{B}/E \\ S - S_{P} E \\ \\$$

$$r: |Y_5| \longrightarrow |G_1 \infty|$$

$$\times \longrightarrow \frac{|G_2| |ID| |I|}{|G_3| |I| |I|} \qquad \text{for } |I| = |I|$$

$$\times \longrightarrow \frac{|G_3| |I| |I|}{|I|} \qquad \text{for } |I| = |I|$$

pront of THM 1

$$y_s = \bigcup_{n=1}^{\infty} \frac{1}{1\pi^n} \frac{1}{5} \frac{1}{(61)} \frac{1}{3} \frac{1}$$

$$W_{0}_{\varepsilon}(n^{+}) \left\langle \frac{\pi^{+}}{\langle 10 \rangle} \right\rangle \longrightarrow_{i} i.l. l. \qquad W_{0}_{\varepsilon}(n^{+}) \left\langle \frac{\pi^{+}}{\langle 10 \rangle} \right\rangle \left[\frac{1}{\pi}\right]$$

$$\mathbb{S}^{+} \qquad \mathbb{O}$$

$$S_{p_{-}}(A, A^{+}) = S_{p_{-}}(G, G^{+}) \longrightarrow_{0} \mathbb{S}_{\varepsilon}$$

$$S_{p_{-}}(A, A^{+}) \longrightarrow_{0} \mathbb{S}_{\varepsilon}$$

R n sour perhabit of R an R for some perhabit R'

and the notorion splite as topological R-models mop.

FACT Spa [R,R+) shears of R n sour-perhabit

X uniform analytic adv space

X uniform analytic adr space

[uniform => Inchions an determined by values on points]

Certer Junes: locally the substitute I == 6x

support: support of 0,17

moromorphi Ho(x, colin I)

Anchar along:

= support

divisor n cloud d (₹, 0,12, 1-1, 1+2)

n adic space.

PROP. (5) \neq 1 nowhere dense $(5) \quad O_{\times} \quad = \quad \text{colin} \quad \exists^{-\otimes n} \quad \subseteq \quad j_{\bullet} \quad O_{\times} \quad N = \times \times \neq$ PROP. Contract divine a cloud c=1 $\exists (u) \subseteq \cap O_{\times}(u)$ here cloud among the

er cloud mag ver en, ethnoid U.

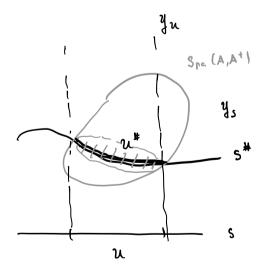
$$W_{\mathfrak{O}_{\xi}}(\mathfrak{n}^{*})/\xi = \mathfrak{n}^{\sharp_{i}^{*}}$$

CLAIM: the map or bounded below for the "sup norm"

$$\|f\|_{po} = \sup_{x \in \mathbb{R}^{n}} |f(x)| \qquad \text{nomalized so det}$$

$$|f(x)| = \frac{1}{p}.$$

tot reduter: st = spe(A, A+).



q. compadur, argunt

=7 for som n Spa (A, A) covered by the sort and can throw away this second reduction: Spa (A, A) = { 121 4 [[B]]] ill follow on 11.1100 can be computed on the set at x & { | { | { | 101 | } | admithy specialization

outsid of { | [| [| 10] | " | " | St: | ~ bondy" νιος S: Sp. (C, O,) C o4. chd

con consider y, 0 E 00 | f(xb) | = | f#(x) |

tilling get in to 10 c, rest

" masmen modely principle"

Ō

C algorithm and the IFg S = Spell, Qc) {mk1, C# (_____ | 14c|

image of the map a called classical point, lyclol

$$|\mathcal{O}_{c}| \simeq |\{y_{c} \circ e_{E_{0}}\}^{\lozenge}\}| \simeq |y_{c} \circ e_{E_{0}}|$$

$$|\mathcal{O}_{c}| \simeq |\{y_{c} \circ e_{E_{0}}\}^{\lozenge}\}| \simeq |y_{c}| \simeq |y_{c}|$$

$$|\mathcal{O}_{c}| \simeq |y_{c}| \simeq |y_{c}|$$

PROP IST C'IC x e ly cl clossical # its premaje in lycil is a classical point

(6) xelycl roule one, not clearcel

The some CIC, premage a lycel

content on open set.

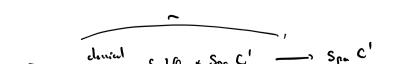
prest (i) (=)

a family X: - X of maps of perfective space of a v-coner of for every q. compact U \(\times \times \)

then on their sof of U; \(\times \times \); while jointly

cover U

FACT: any perfectule space is a visheef.



(ii) By epinon of $|D_c| - |V_c|$ suther to prove analogous stehent for O_c .

Consider wood x = p-Grows norm around O.

CLAIM: primage of x contents bell of roder p around 1H.

i.e.
$$|t-u| < \rho$$
 => $tw = 0$ $f = \sum_{i=1}^{n} a_{i} T^{n} \in C(T)$, $|\sum_{i=1}^{n} a_{i} + \sum_{i=1}^{n} a_{i} t^{n}| = |\sum_{i=1}^{n} a_{i} t^{n}|$.

THE Let Spa (B, B) 1 and ye

Ū

Remarks (1) 110cl - 14cl

cii) for = 0 × not clerical, were x rank one after c'/c that u'eu of flui = 0

(1711 tollow) from (51)

(iv) fe 13.

lt=01 € lule specht space ut no genetitetens

CLAIM: f(x) = 0 =1 $f = \xi_x^n \cdot g$ ($\xi_x = 0$) $g(x) \neq 0$

11. 11 n = Sup 1-1x full set

x e Shilon
boundary

scale { , so that 12,12,1 on boundary.

11 0, {12,14[D] 1} < |1 [D] 1 . 11 . 11 .

of n - so get 141 0, {12,1 5 1021}, = 0

0 (u) - 0 (u)