Musonupol

-P+F: A2 -> 522 (adP) BA -> P+FA - (P+F)+, +1 Tx tz -> 522 (adP) 12 52 (nd P) 12 - FATA = FAT PART [a,u] -> ker (Py F) = Im PA - PyA not Fredholm - UCker Ox\* slice 52 (adr) 2 = lm Px & ker Vx\* - A - irred => u com B2(1=)= A2/93 -for V, dm V=m, +2mz, V/\$12 Rm, +2mz, - Ker (P,F) \* A | Ker DA = Ker DA = H'(\xeta^\*(A)) Mz\*(P) = {A E Az\* (A ISASD) C> Az Coron Az -assuming (P+F)+,+ surj => Dx surj.

-notice  $\widehat{\mathcal{M}}^*$ s  $(P_{+}F)^{'}(o)$ -associate to  $P_{+}F$   $A_z^* \times SL_z^2$  (adp)

s (J

and Uz, Vz are finite dimensional.

TxoV, + TxoVz

TyoV, + TyoVz

-assume (\$ x) x susjects => Vz = {0}