Mying Independent Component Analysis (ICA) Sensor Souvas Statistical $S_1 = a_{11} S_1(t) + a_{12} S_2(t)$ $\chi = A$, $S \rightarrow \times = \sum a_i S_i$ S- N × Source (ompohent/ eshmaled signal - y (microphines) y = WT × Indopon dent dimara W= A-1 -> salah sah Contral Contra Treorem: Z=ATW > ZT=A.WT Sum of Independent variety y=\/\⁺ × terds where a Gussian distribution $= \mathbb{V}^{\mathsf{T}} \wedge \mathbb{S}$ In dependence y2 G become loss ganshan I hon egral to SI p(y,yz) = p(yz) pz(yz) W -> maximite honguyssaning 6f Wx Joins rof par par

Preprotessing Denterry : X = = X. mean () 2) Whitening totale until Convergence! Convergence -> W & + In the same direction

~~ WXW+ ~