ortholon	ELD matrix A mxn.
	Ax V = o x v
.!	for Ax v to, V & in sow ipas and it is intolumn
	knase
	V for Column space
	then A × V = U × E
	where Z is diagonal matrix with scaling
	factors similar to 5 for every column is
	Since V and v are unitary
	$VV^T = UU^T = I$
	AV = UZ
	AVVT = U IVT
	$A = U Z V^T \longrightarrow \mathbb{O}$
	$A^{T}A = (UZV^{T})^{T}UZV^{T}$
	= V E U T U E V T
	$A^TA = V Z^2 V^T$
	$A^TAV = V \Sigma^2 V^T V = V \Sigma^2$
	$A^TA V = V \Sigma^2 \rightarrow \bigcirc$
	tur is of the Eigen form
	· V is eigen vectors of ATA
	∑ in set of eigen values of ATA. /o