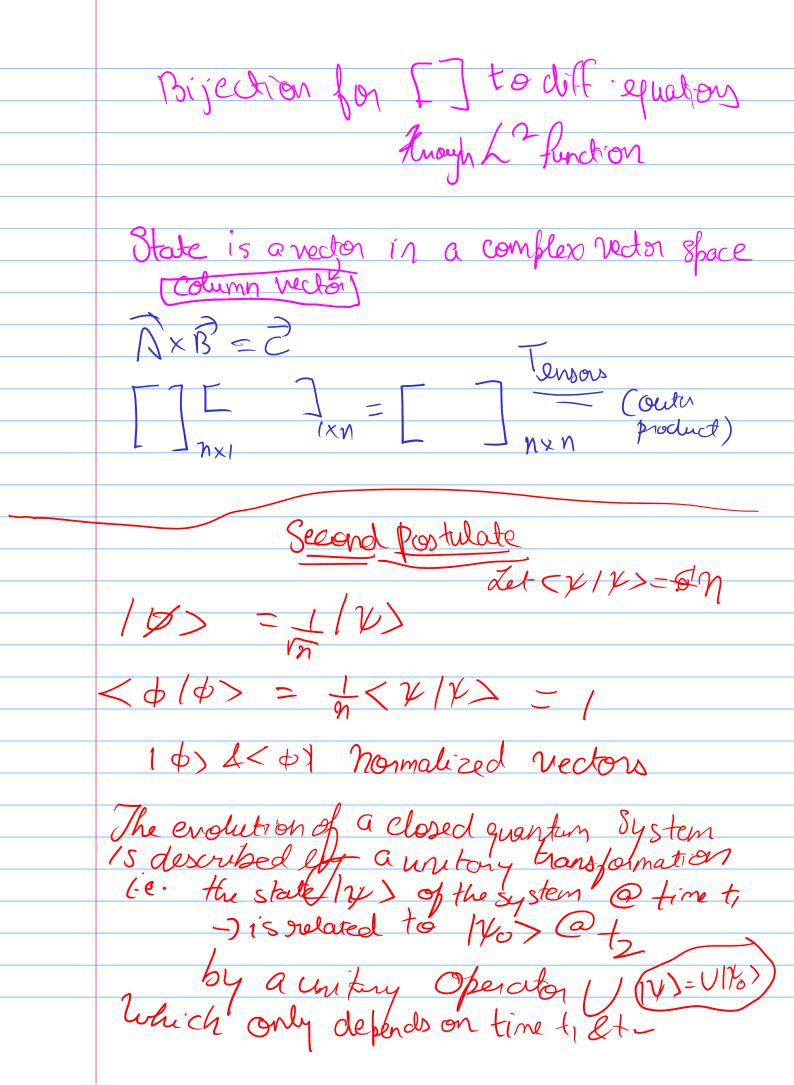


besis $\langle e_2|e_1\rangle = [0][0]=0$ Condition $\langle e_1(e_2) = [10][0]$ For any isolated system, associated is a Complex vector space with inner producte (i.e. a Wilbert Space). The sistem is completely described by its state nector, which i's a runit nector in the system's state space. Albert Space - guarantees inner suoduction 1 x> 2/1/2) are orthogonal $\langle \chi | \chi \rangle = k \rightarrow \infty$ $\chi \text{(not forws)}$

twoing hilberts $\chi \infty | \gamma_{\infty} \rangle = K$

[] & diff equations: L2 functions



J= Unitory time endution is also done using y (x) > moth < x/x> physics $(2/387) \rightarrow (2/8)7>$ $\frac{1}{2} \frac{1}{2} \frac{1}$ Interolution of a state of a closed quarteen System is described by the schoolinger equation (12) = HIX)