Oper Quelon lynomics

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Quantu Charrels./ (PTP Map

Mixed Quarter 1the : Persity netrix

Dynamill Open System. "Quater Morker Chair"

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or 5 he p'd = p's

Sp= Z AdpA * Kins yestons

Ret: Nider of Chur, 2000/2010 P= [Pi li><it (PDF Online)

or I Pi Pi - Prosente upentor.

e.y. (0) 1-1 0, (2)

 $P^2 = P$

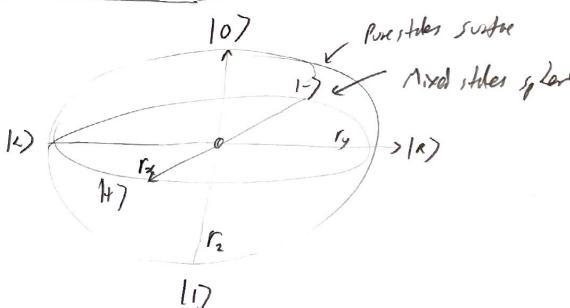
p# = p

(number of Fras operation & d2)

ZAJA: I

$$\sigma_{x} = \times = \begin{pmatrix} O & I \\ I & O \end{pmatrix}$$
 Rithy

$$\sigma_y = \gamma = \begin{pmatrix} 0 & -i \\ i & 0 \end{pmatrix}$$



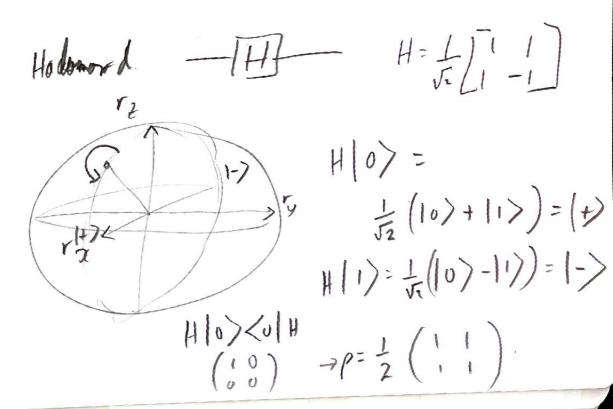
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Ref for order theeploson/gotes

Uniting Ognamis Ox KATLIP



e.g. Sp= Z V2 p V2

Mixtures of Unitaries one Unital (Not all Unital's one Mythes of Unitaries)

[Alsoul) SX = 5'

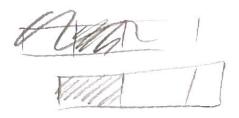
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Tu VIII 20 5 = 5

Id Undal Ma 5x = 5-1

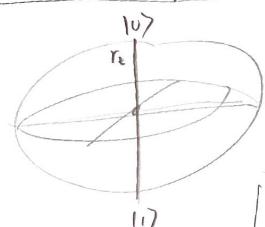
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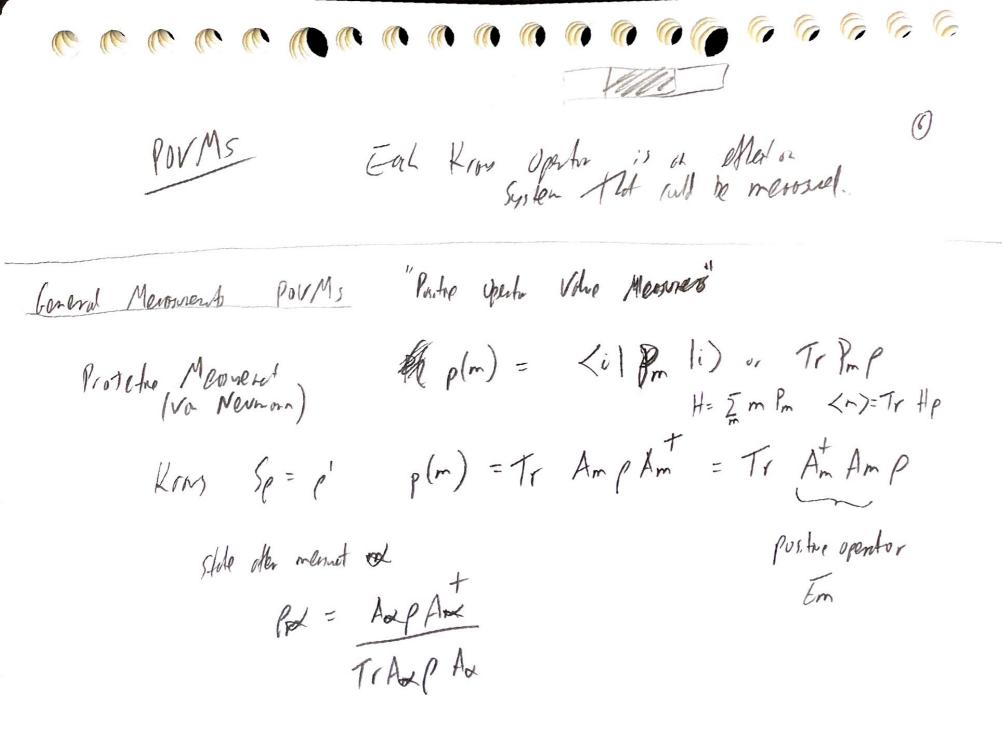


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Orange is pertention expensions.

(orallete Inter. <b(+) a(0) >= tr B St Aplo) = tr BSt Aplo)
= Zabp tr Bp K, AaploAz K, Bp = Zpp(x,B) az ke

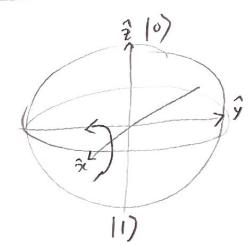


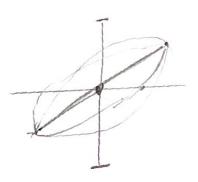
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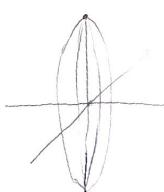
$$A_0 = \sqrt{p} \mathbb{Z} = \sqrt{p} \binom{1}{0!} A_1 = \sqrt{(1-p)} \times = \sqrt{(1-p)} \binom{0!}{1!}$$

$$A_1 = \sqrt{(1-P)} \times = \sqrt{(1-P)} \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$





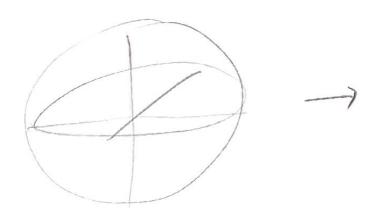
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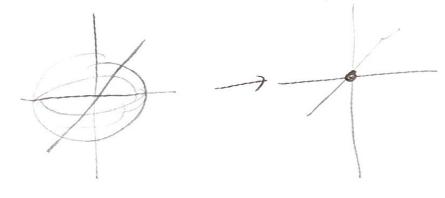


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(Also SPAM emon) State Prepartin & Memorant) $\rho' = S\rho = \frac{7}{2} A_{\perp} (A_{\perp})$ Superopertor Absolit $S^{\times} \rho = \frac{7}{2} A_{\perp} (A_{\perp})$ $S^{\times} J = \frac{7}{2} A_{\perp} (A_$