017

Donaldy matrice of a single qubit

position

quit intializes 100 vector a Hadamed gate

Our penal state

19) = [(10) + (1)) = [[]

9=1(I+ 4x0x + dty og + 4303)

$$\sigma_{\chi} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$
 $\sigma_{g} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ $\sigma_{g} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ $\sigma_{g} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$

and Block spher

14) = cost 10) + aln t ei 4 11)

2017 SEPTEMBER

4 11 19 25

5 12 19 26

West 6 13 20 27

1 1 8 15 22 29

4 2 9 16 23 30

3 16 17 24

AUGUST MONDAY COSA = 1 Jan Maria sinder = 1 sind(cos+(sing)=1 cosø + ising = 1 0=0° 1000 1000 1011 Now, le = (cas & sin & =)

Sin & sin & = 0 = 1 (I+ 4x02) 1 (Izz + 1. (01)

7 16 21 2 1 8 15 22 25 2 9 16 23 30 3 10 17 24 31

\$2 19 26 13 20 27

$$P = \frac{1}{2} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} + \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$$

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the density Mathin