

$$\begin{array}{l}
\psi\\
\mathcal{H}\\
A\\
\mathcal{H}_{a_n}\\
A_{a_n}\\
\mathcal{A}_{a_n}\\
\psi\\
\mathcal{H}_n=\\
|n|\psi|^2\\
Born\\
Rule\\
x=\\
|\psi(x)|^2\\
\psi\\
\psi\\
\mathcal{H}'=\\
\psi\\
\frac{P_n\psi}{\sqrt{\psi P_n\psi}}\\
P=\\
\mathcal{H}\mathcal{H}=\\
\psi\\
\mathcal{H}\\
\mathcal{H}\\
state\\
col-\\
lapse\\
wave-\\
func-\\
tion\\
col-\\
lapse\\
Z\\
X\\
\psi\\
+_x\\
-_x\\
+_x=\\
|_x+_x|^2=\\
\frac{1}{2}\\
\mathcal{P}^-_x=\\
|_x-_x+_x|^2=\\
\frac{1}{2}\\
\psi_{top}=\\
P^x+_x=\\
+_xx+_x\\
\mathcal{P}^-_x=\\
|_x-_x+_x|^2=\\
\frac{1}{2}\\
\hat{D}^z=\\
\{D_{+z},D_{-z}\}\\
{}_zD_{+z}|D_{+z}=\\
{}_zD_{+z}|D_{-z}=\\
0\\
\mathcal{H}_{D_x}\\
\mathcal{H}_D\\
{}_zD_n|D_{m_x}=\\
0\\
\forall D_{nz}\in\\
\mathcal{H}_{D_z}\\
\forall D_{m_x}\in\\
\mathcal{H}_{D_x}\\
\psi=\\
(\sum_nP_n\psi)\otimes\\
(\sum_mP_mD)\mapsto\\
\sum_nP_n\psi\otimes\\
D_n\\
P_{th}\\
P_m\\
m^{th}\\
\psi\\
\psi=\\
{}_nTr(P_n^D\cdot\\
V\psi\psi V^\dagger)\\
Z
\end{array}$$