9:54 - 17:23

Matrix representation for every "individual" spin exis

why individual?

Because S^2 where they represent the S_{1}^{2} , S_{2}^{2} , S_{2}^{2} the obsolute value of the spin quentum number E'/23, S_{1} , S_{2} , S_{3} , S_{5} , S_{7} , represents one individual surique exis

$$\begin{array}{c|c} S_{2} | S_{m} \rangle & = (m \pi) S_{m} \rangle & \mathcal{N}_{+} (0) \\ \hline (S_{2} \mathcal{N}_{+}) & = \frac{1}{2} \pi \mathcal{N}_{+} \end{array}$$

operetor derived in

2X2 matric

ms planck forientation constant

> spin value]

(1/2 / 2)

$$\begin{pmatrix} C & O \\ Q & O \end{pmatrix} = \begin{pmatrix} \frac{1}{2} \\ \frac{1}{2} \end{pmatrix}$$

/4 (5 m> 4 take common factor Hilroy