

[3]

[3] What is the value of spin s of a particle having spin wave function [2]

$$\chi = \begin{pmatrix} 4 \\ 3 \\ 1 \\ 0 \end{pmatrix}.$$

Your answer for s here: $s =$

[4] Write the third postulate of quantum mechanics which gives the physical interpretation of eigenvalues and eigenfunctions and of wave function for computation of probabilities. [4]