

$$|S_{1}| = \frac{1}{2} |S_{1}| =$$

$$\frac{S^{2}|S_{1}M_{S}\rangle = \frac{1}{2}(\frac{1}{2}+1)|S_{1}M_{S}\rangle}{S_{2}|S_{1}M_{S}\rangle = \frac{2}{2}|S_{1}M_{S}\rangle = \frac{2}{2}|S_{1$$

Sumarizing.  $\nabla_{x} = \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \quad \nabla_{y} = \begin{pmatrix} 0 & -i \\ i & 0 \end{pmatrix}, \quad \nabla_{z} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$  $\frac{(a)}{(a)} = \frac{(a)}{(a)} + \frac{(a)}{(a)} +$  $\frac{1}{4}\left(\sigma_{i}n_{i}\right)^{2}\theta^{2} = -\frac{1}{4}\frac{\theta^{2}}{2} = -\frac{2}{2}$  $\frac{\partial}{\partial t} = \frac{\partial^2 v}{\partial t} + \frac{1}{3!} \left( -i \frac{\partial v}{\partial t} \frac{\partial^2 v}{\partial t} \right)^3 + \frac{1}{5!} \left( -i \frac{\partial v}{\partial t} \frac{\partial v}{\partial t} \right)^6$  $= -i \operatorname{Gini} \left( \frac{7}{2} \operatorname{R} + \frac{1}{3!} \left( \frac{-i \operatorname{Gini}}{2} \operatorname{R} \right) \right) + \frac{1}{5!} \left( \frac{-i \operatorname{Gini}}{2} \operatorname{R} \right)$   $= \left( \operatorname{Gini} \right) \times \left( \operatorname{Gini$ 

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