$c\ 1\ c\ 1$ $c\ 1\ c\ 1$ $c\ 1\ c\ 1$ $c\ 1\ c\ 1\ c\ 1\ c\ 1\ c\ 1\ c\ 1$

 $\hat{H}c1\hat{H}c1$ s $c1\hat{H}c1$ E $c1\hat{H}c1$ SEc1 (1)

$$\hat{H}_{\mathrm{SE}} = \chi(t)\boldsymbol{\alpha} \cdot \hat{\boldsymbol{\sigma}} \otimes \hat{O}.$$
 (2)

c $2\mathbf{h} \cdot \hat{\boldsymbol{\sigma}}$ c $2\boldsymbol{\alpha} \cdot \hat{\boldsymbol{\sigma}}$ c 2 c 2 c 2 c 2 h c $2\boldsymbol{\alpha}$ c 2 c $2\hat{O}$ c 2 c 2 c 2 c 2 c 2 c 2 c 2 c $2\chi(t)$ c 2 c 2 c 2 c 2 c 2 c 2 c 2