$\begin{smallmatrix} c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 2 & c$  $\begin{smallmatrix} c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 1 & c & 2 & c$  $c\ 1\ c\ 1$  $\hat{H}_{\text{SE}} = \chi(t) \boldsymbol{\alpha} \cdot \hat{\boldsymbol{\sigma}} \otimes \hat{O}.$ (2) $c\; 1\; c\; 1$  $c\ 1\ c\ 1$  $c \ 2 \ c \ 2 \ h \cdot \hat{\boldsymbol{\sigma}} \ c \ 2 \ c \ 2 \ \alpha \cdot \hat{\boldsymbol{\sigma}} \ c \ 2 \ c \ 2 \ c \ 2$ c 1 c 1 c 1 c 1 c 2 c 2 c 2 c 2 c 2 h c 2 c 2  $\alpha$  c 2 c 2  $c\ 1\ c\ 1$  $c\;1\;c\;1\;c\;1\;c\;1\;c\;1\;c\;1\;c\;1$  $2\; c\; 2\; c$  $c \ 2 \ c \ 2 \ \chi(t) \ c \ 2 \ c \ 2 \ c \ 2 \ c \ 2 \ c \ 2$ (1) $1\ c\ 1\ c\ 2\ c$  $\hat{H}_{\mathrm{S}} = \Omega \mathbf{h} \cdot \hat{\boldsymbol{\sigma}} \,\, \mathrm{c} \,\, 1 \,\, \mathrm{c} \,\, 2 \,\, \mathrm{c} \,\,$