In[•]:=
```
ZA = KroneckerProduct[PauliMatrix[3], A];
Grid[Insert[Transpose[{Eigenvalues[ZA], Normalize /@
    Eigenvectors[ZA]}], {"Eigenvalue", "Eigenvector"}, 1], Frame → All]
```
克罗内克积 泡利自旋矩阵 格子 插入 转置 特征值 正规化 特征向量 边框 全部

Out[•]=

Eigenvalue	Eigenvector
-2	$\left\{0, 0, \frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right\}$
2	$\left\{\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}, 0, 0\right\}$
0	$\left\{0, 0, -\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right\}$
0	$\left\{-\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}, 0, 0\right\}$