Out[6]//TraditionalForm=

$$\begin{pmatrix} c \sin(k \, (x-t)) & 0 & 0 & 0 \\ 0 & -c \sin(k \, (x-t)) & 0 & 0 \\ 0 & 0 & a \sin(k \, (x-t)) & 0 \\ 0 & 0 & 0 & -a \sin(k \, (x-t)) \end{pmatrix}$$

In[14]:= linearRicci = Simplify[

In[15]:= linearRicci // MatrixForm // TraditionalForm

Out[15]//TraditionalForm=