Note:

To make the paper easier to read, Equation (10) on page 12392 is listed again in the below:

$$a_{t}^{Y} = \left( \left( q_{t,C_{k}}^{SF \to GF} \right) \otimes a_{t}^{SF} \otimes \left( q_{t,C_{k}}^{SF \to GF} \right)^{-1} - \vec{g} \right) \cdot \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}$$

$$(10)$$