

$$\begin{aligned}
x \left[\begin{array}{c|c} \mu & \nu \\ \hline \nu & \mu \end{array} \right]_a^i &= \frac{d}{dt} x \left[\begin{array}{c|c} \nu & \mu \\ \hline \nu & \mu \end{array} \right]_a^i \\
x \left[\begin{array}{c|c} \mu & \nu \\ \hline \mu & \nu \end{array} \right]_a^i &= \frac{d}{dt} x \left[\begin{array}{c|c} \nu & \mu \\ \hline \mu & \nu \end{array} \right]_a^i = \frac{d}{dt} x \left[\begin{array}{c|c} \nu & \mu \\ \hline \nu & \mu \end{array} \right]_a^i + \frac{d}{dt} x \left[\begin{array}{c|c} \mu & \nu \\ \hline \mu & \nu \end{array} \right]_a^i \\
&= x \left[\begin{array}{c|c} \nu & \mu \\ \hline \nu & \mu \end{array} \right]_a^i + \delta^\nu_\mu x \left[\begin{array}{c|c} \mu & \nu \\ \hline \mu & \nu \end{array} \right]_a^i = x \left[\begin{array}{c|c} \nu & \mu \\ \hline \nu & \mu \end{array} \right]_a^i + x \left[\begin{array}{c|c} \mu & \nu \\ \hline \mu & \nu \end{array} \right]_a^i
\end{aligned}$$