

$$\begin{aligned}
\underset{|}{s} &= \underset{|}{e}_\mu \nabla \underset{|}{e}^\mu = \underset{|}{e}_\mu \underset{|}{\partial} \underset{|}{e}^\mu + \underset{|}{e}_\mu \underset{|}{e}^\mu \underset{|}{\Gamma} + \underset{|}{e}_\mu \underset{|}{e}^\mu \underset{|}{\gamma} \\
&= \underset{|}{e}_\mu \underset{|}{\partial} \underset{|}{e}^\mu + \cancel{\underset{|}{e}_\mu \underset{|}{e}^\mu \underset{|}{\Gamma}} + \underset{|}{e}_\mu \underset{|}{e}^\mu \underset{|}{\gamma} \\
&= \underset{|}{e}_\mu \underset{|}{\partial} \underset{|}{e}^\mu - \frac{3}{2} \underset{|}{\gamma}
\end{aligned}$$

$$\begin{aligned}
\overset{||}{S} &= \overset{||}{e}_\mu \nabla \overset{||}{e}^\mu = \overset{||}{e}_\mu \overset{||}{\partial} \overset{||}{e}^\mu + \overset{||}{e}_\mu \overset{||}{e}^\mu \overset{||}{\Gamma} + \overset{||}{e}_\mu \overset{||}{e}^\mu \overset{||}{\gamma} \\
&= \overset{||}{e}_\mu \overset{||}{\partial} \overset{||}{e}^\mu + \overset{||}{e}_\mu \overset{||}{e}^\mu \overset{||}{\Gamma} + \cancel{\overset{||}{e}_\mu \overset{||}{e}^\mu \overset{||}{\gamma}} \\
&= \overset{||}{e}_\mu \overset{||}{\partial} \overset{||}{e}^\mu + \overset{||}{\Gamma}
\end{aligned}$$