

$$\begin{aligned}
& \text{0-star } U \subset \mathbb{C} \\
\mathfrak{q} &= dx \frac{x:y}{1} \mathfrak{q} + dy \frac{x:y}{2} \mathfrak{q} \in \Lambda^1(U) \\
d\mathfrak{q} = 0 &\Rightarrow \bigvee \mathfrak{q}: \quad d\mathfrak{q} = \mathfrak{q}
\end{aligned}$$

$$\begin{aligned}
{}_1\partial {}_2\mathfrak{q} &= {}_2\partial {}_1\mathfrak{q} \\
{}^{x:y}\mathfrak{q} &= \int_{dt}^{0|1} [x \ y] \begin{bmatrix} {}^{tx:ty} \mathfrak{q} \\ {}^{tx:ty} \mathfrak{q}_1 \\ {}^{tx:ty} \mathfrak{q}_2 \end{bmatrix} = \int_{dt}^{0|1} x {}^{tx:ty} {}_1\mathfrak{q} + y {}^{tx:ty} {}_2\mathfrak{q}
\end{aligned}$$

$${}_1\partial \mathfrak{q} = {}_1\mathfrak{q} : {}_2\partial \mathfrak{q} = {}_2\mathfrak{q}$$

$$\begin{aligned}
{}^{x:y} \widehat{{}_1\partial \mathfrak{q}} &= \int_{dt}^{0|1} {}^{tx:ty} {}_1\mathfrak{q} + tx \widehat{{}^{tx:ty} {}_1\partial {}_1\mathfrak{q}} + ty \widehat{{}^{tx:ty} {}_1\partial {}_2\mathfrak{q}} \\
&= \int_{dt}^{0|1} {}^{tx:ty} {}_1\mathfrak{q} + tx \widehat{{}^{tx:ty} {}_1\partial {}_1\mathfrak{q}} + ty \widehat{{}^{tx:ty} {}_2\partial {}_1\mathfrak{q}} \\
&= \int_{dt}^{0|1} {}^{tx:ty} {}_1\mathfrak{q} + t \frac{d}{dt} {}^{tx:ty} {}_1\mathfrak{q} = \int_{dt}^{0|1} \frac{d}{dt} \underbrace{t {}^{tx:ty} {}_1\mathfrak{q}}_0 = \underbrace{t {}^{tx:ty} {}_1\mathfrak{q}}_0 \Big|_0^1 = {}^{x:y} {}_1\mathfrak{q}
\end{aligned}$$

$$d\mathfrak{q} = \mathfrak{q} \Rightarrow \mathfrak{q}_{\infty} \text{ diff}$$