

$$+e \overbrace{\int \int e}^N \ni ed + \dot{r}$$

$$+e \overbrace{\int \int e}^N$$

$$d$$

$$e \overbrace{\int \int e}^N$$

$$\begin{aligned} d \overbrace{ed + \dot{r}} &= \overbrace{ed + \dot{r}}^2 e = \overbrace{ed + \dot{r}} \overbrace{ed + \dot{r}} e = \overbrace{ed + \dot{r}} \overbrace{e \widehat{de} + \dot{r} e} \\ &= e \overbrace{e \widehat{de} + \dot{r} e} + \dot{r} \overbrace{e \widehat{de} + \dot{r} e} = e \widehat{de}^2 + e \overbrace{d\dot{r}} e - e \dot{r} \overbrace{de} + \dot{r} e \overbrace{de} + \widehat{\dot{r}}^2 e \\ &= e \widehat{de}^2 + e \overbrace{d\dot{r}} e + \widehat{\dot{r}}^2 e = e \widehat{de}^2 + e \overbrace{d\dot{r} + \dot{r}^2} e \end{aligned}$$