$$e' \wedge e^{2} \wedge e^{3} = \underbrace{(e' \wedge e^{2}) \wedge e^{3}} (e' \wedge e^{2}) \wedge e^{3} (= e' \wedge (e' \wedge e^{3}))$$

$$Consider (e' \wedge e^{2}) \wedge e^{3} \wedge e^{3} \quad \text{and} \quad \text{its evaluation}$$

$$((e' \wedge e^{2}) \wedge e^{3}) (e \otimes e_{2} \otimes e_{3})$$

$$= \frac{(2+1)!}{2! \cdot 1!} \wedge \text{Alt} ((e' \wedge e^{2}) \otimes e^{3}) (e \otimes e_{2} \otimes e_{3})$$

$$= \frac{1}{2! \cdot 1!} \sum_{\sigma \in S_{3}} ((e' \wedge e^{2}) \otimes e^{3}) (e \otimes e_{3} \otimes e_{3} \otimes e_{3} \otimes e_{3})$$

$$= \frac{1}{2! \cdot 1!} \sum_{\sigma \in S_{3}} ((e' \wedge e^{2}) \otimes e^{3}) (e \otimes e_{3} \otimes e_{3} \otimes e_{3} \otimes e_{3} \otimes e_{3})$$

$$= \frac{1}{2! \cdot 1!} \sum_{\sigma \in S_{3}} ((e' \wedge e^{2}) \otimes e^{3}) (e \otimes e_{3} \otimes e_{3})$$

$$= \frac{1}{2! \cdot 1!} \sum_{\sigma \in S_{3}} ((e' \wedge e^{2}) \otimes e^{3}) (e \otimes e_{3} \otimes e_$$