

Why if  $\gamma = \alpha \otimes \beta$  is  $\gamma^j = 0$ ???

Why is  $B_{\Lambda^k(V)}$  a basis?

Why does  $\text{Tr}(\gamma) = \langle \alpha, \beta \rangle$

$\Rightarrow$  7.2.6?

Shouldn't 7.2.8 have a  $\frac{1}{n!}$  term?

$$I = \sum_{i=1}^N \theta_i \otimes \theta_i$$

Then  $\mathbf{T}_I(\theta_i)(\omega_1)$

$$\theta_i \in T_0^{\mathbb{A}}$$

$$= \mathbf{I}(v_i, \omega_1)$$

$$= \sum_j \theta_{ij}(v_i) \theta_i(\omega_1)$$

Why is this the identity?

$$= \sum_j \delta_{ij} \theta_i(\omega_1) = \theta_i(\omega_1)?$$