

Diagrammatic equation showing the multiplication of two tensors:

Left side (Product):

- Tensor 1 (Left): A light blue rounded rectangle containing a vertex  $x$  at the bottom. Two legs extend upwards and outwards: the left leg is labeled  $y$  and the right leg is labeled  $z$ .
- Tensor 2 (Right): A light blue rounded rectangle containing a vertical line segment. The top end is labeled  $\beta$  and the bottom end is labeled  $\alpha$ .

Multiplication symbol ( $\times$ ) is placed between the two tensors.

Right side (Result):

A light blue rounded rectangle containing a central vertex with six legs extending outwards:

- Top-left leg: labeled  $\langle z, \beta \rangle$
- Bottom-left leg: labeled  $\langle z, \alpha \rangle$
- Top-right leg: labeled  $\langle y, \beta \rangle$
- Bottom-right leg: labeled  $\langle y, \alpha \rangle$
- Left leg: labeled  $\langle x, \beta \rangle$
- Right leg: labeled  $\langle x, \alpha \rangle$

Equality symbol ( $=$ ) is placed between the product and the result.