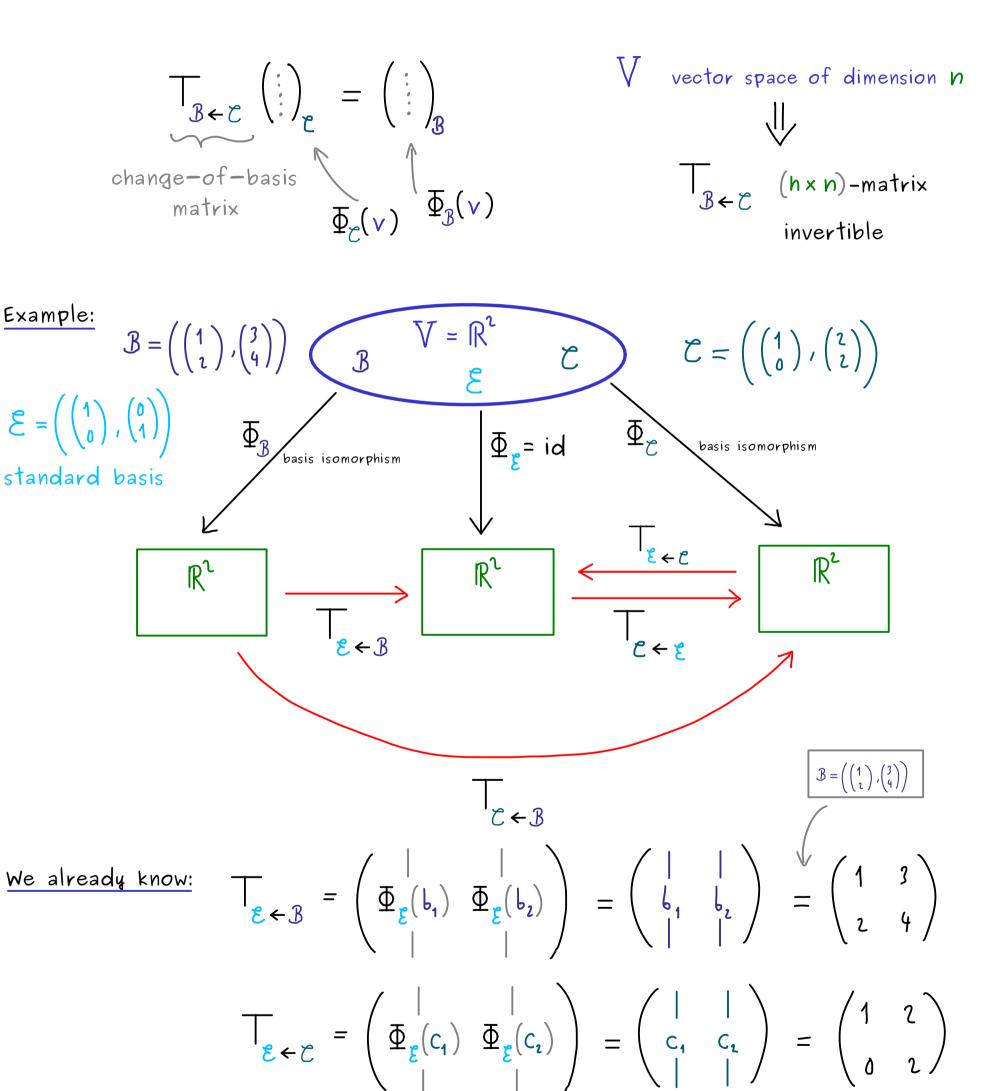


Abstract Linear Algebra - Part 9



We can calculate:

$$T_{\mathcal{E} \leftarrow \mathcal{B}} = T_{\mathcal{E} \leftarrow \mathcal{E}} T_{\mathcal{E} \leftarrow \mathcal{B}}$$

$$= \left(T_{\mathcal{E} \leftarrow \mathcal{C}}\right)^{-1} T_{\mathcal{E} \leftarrow \mathcal{B}}$$

$$= \left(T_{\mathcal{E} \leftarrow \mathcal{C}}\right)^{-1} T_{\mathcal{E} \leftarrow \mathcal{B}}$$

$$\downarrow^{\text{calculate product immediately }!}$$

$$T_{\mathcal{E} \leftarrow \mathcal{C}} \times = T_{\mathcal{E} \leftarrow \mathcal{B}}$$

$$\begin{pmatrix} 1 & 2 & 1 & 3 \\ 0 & 1 & 1 & 2 \end{pmatrix}$$

$$\uparrow^{\text{calculate product immediately }!}$$

$$\uparrow^{\text{calculate product i$$