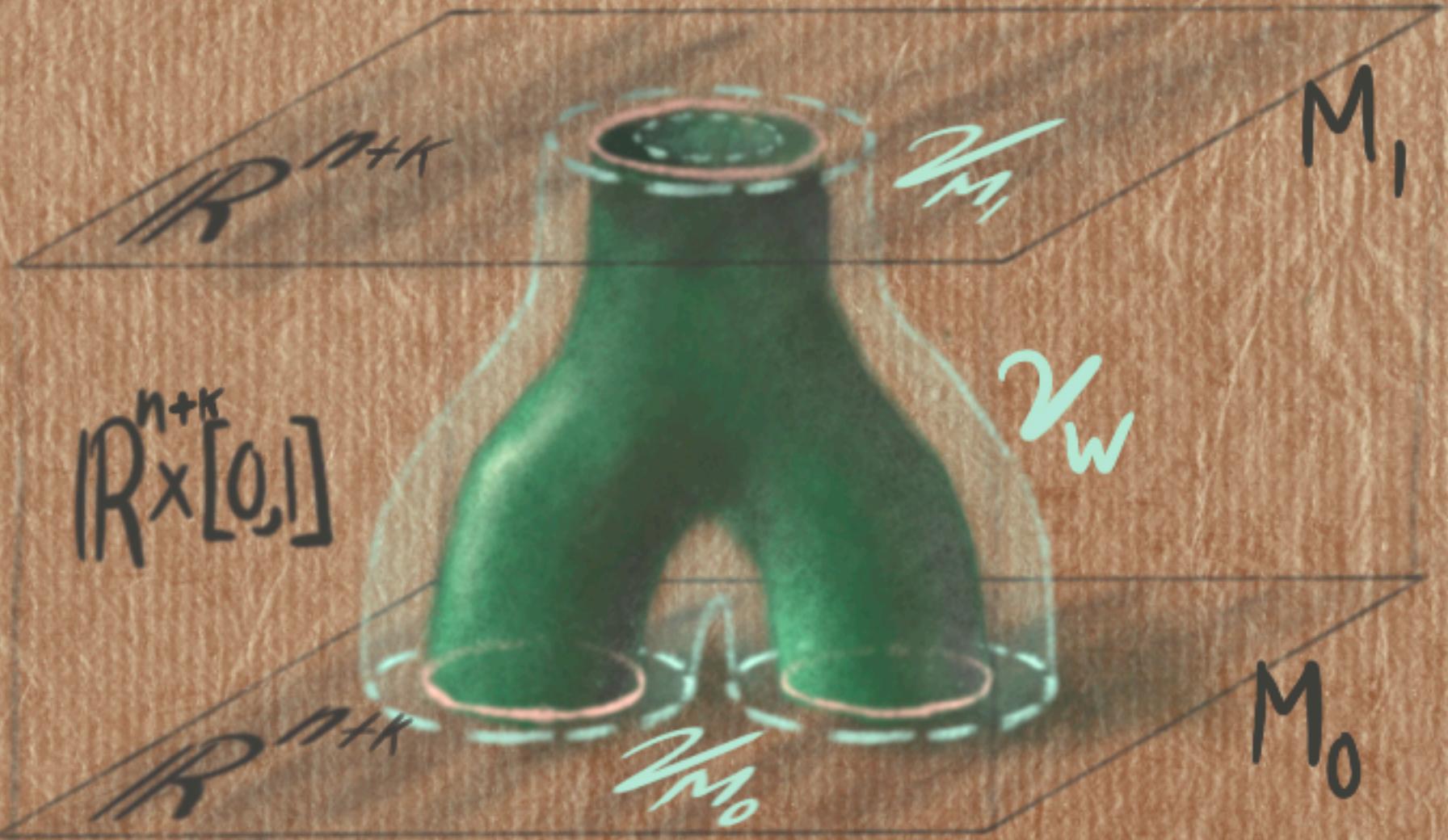


$$\alpha: \Omega_K \rightarrow \mathcal{TC}_K(M_0)$$

i $\in \{0, 1\}$

cobordism: $\partial W = M_0 \sqcup M_i$, $E(\nu_{M_i}) = E(\nu_W)|_{R^{n+k} \times i}$

$P.T(M_i)$ is $P.T(W)|_{S^{n+k} \times i}$ \Rightarrow W gives homotopy $P.T(M_0) \rightarrow P.T(M_1)$



Group homomorphism:

$$\alpha[M \sqcup N] = \alpha[M] + \alpha[N]$$



$$\beta: \mathcal{R}_k(MO) \rightarrow \Omega_k$$

realize $f: S^{k+n} \rightarrow MO$ w/ $M \hookrightarrow \mathbb{R}^{n+k}$ ↯ P.T map

What does $\alpha[M]: S^{k+n} \rightarrow MO$ look like?

0-section only contains M

ν → fibers over M

$\partial\nu \rightarrow \infty$ in MO

