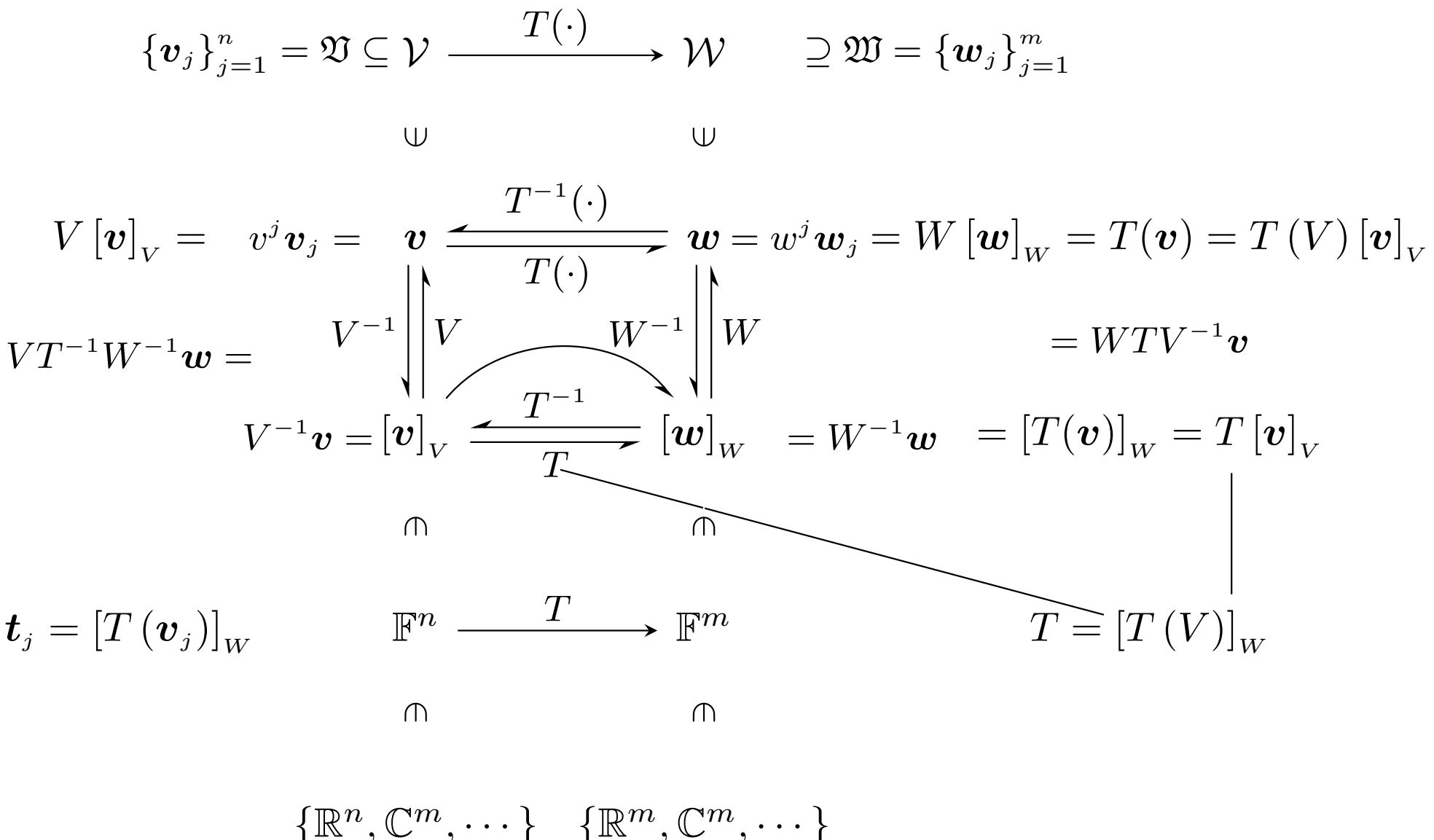
$\{\boldsymbol{v}_j\}_{j=1}^n = \mathfrak{V} \subseteq \mathcal{V}$
$T(\cdot)$
$\mathcal{W}$
$\supseteq \mathfrak{W} = \{\boldsymbol{w}_j\}_{j=1}^m$
$V[\boldsymbol{v}]_V = v^j \boldsymbol{v}_j = \boldsymbol{v}$
$T^{-1}(\cdot)$
$T(\cdot)$
$\boldsymbol{w} = w^j \boldsymbol{w}_j = W[\boldsymbol{w}]_W = T(\boldsymbol{v}) = T(V)[\boldsymbol{v}]_V$
$VT^{-1}W^{-1}\boldsymbol{w} =$
V^{-1}
V
W^{-1}
W
$= WTV^{-1}\boldsymbol{v}$
$V^{-1}\boldsymbol{v} = [\boldsymbol{v}]_V$
T^{-1}
T
$[\boldsymbol{w}]_W$
$= W^{-1}\boldsymbol{w}$
$= [T(\boldsymbol{v})]_W = T[\boldsymbol{v}]_V$
$\boldsymbol{t}_j = [T(\boldsymbol{v}_j)]_W$
$\mathbb{F}^n$
T
$\mathbb{F}^m$
$T = [T(V)]_W$
$\{\mathbb{R}^n, \mathbb{C}^m, \dots\}$
$\{\mathbb{R}^m, \mathbb{C}^m, \dots\}$