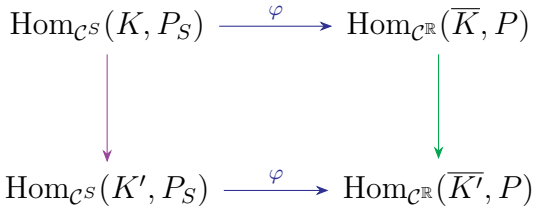
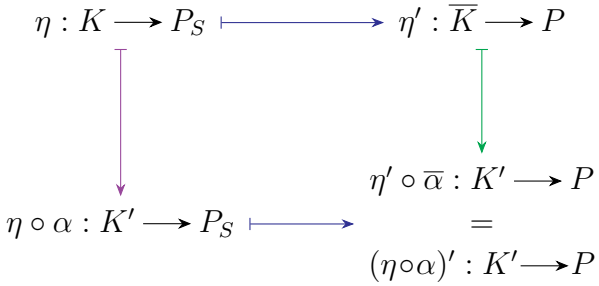

$\mathrm{Hom}_{\mathcal{C}^S}(K, P_S)$
φ
$\mathrm{Hom}_{\mathcal{C}^{\mathbb{R}}}(\overline{K}, P)$
$\mathrm{Hom}_{\mathcal{C}^S}(K', P_S)$
φ
$\mathrm{Hom}_{\mathcal{C}^{\mathbb{R}}}(\overline{K'}, P)$


$\eta : K \longrightarrow P_S$
$\eta' : \overline{K} \longrightarrow P$
$\eta \circ \alpha : K' \longrightarrow P_S$
$\eta' \circ \overline{\alpha} : K' \longrightarrow P$
$=$
$(\eta \circ \alpha)' : K' \longrightarrow P$