PROOF. Because it is a functor which preserves reversal. □

PROPOSITION 1610. The bijection defined by theorem 1606 preserves domain an image.

PROOF. $\operatorname{im} f = \langle f \rangle \top = \langle p \rangle^* \top = \operatorname{im} p$, likewise for domain. □

PROPOSITION 1611. The bijection defined by theorem 1606 maps cartesian products to corresponding funcoidal products.

PROOF. $\left\langle A \times^{\mathsf{FCD}} B \right\rangle X = \begin{cases} B & \text{if } X \not\asymp A \\ \bot & \text{if } X \asymp A \end{cases} = \langle A \times B \rangle^* X$. Likewise $\left\langle (A \times^{\mathsf{FCD}} B)^{-1} \right\rangle Y = \left\langle (A \times B)^{-1} \right\rangle^* Y$. □

»»»> master