

**Definition** (T-Profunctors). Given two categories **C** and **D**, a *T-profunctor* from **C** to **D** is a functor of the form

$$\textcolor{violet}{F} : \mathbf{C}^{\mathrm{op}} \times \mathbf{D} \rightarrow_{\mathbf{Cat}} \mathbf{Tup}.$$