Visual Geometry Theory

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Rick by Rick

Part7 ∈ C^Parts
In \textit{Part}_5 we introduced an exponential of objects $X,Y \in \text{Ob}(\mathcal{C})$. It can be thought of as representing a collection of arrows between two objects $X$ and $Y$. It is also an object of $\mathcal{C}$ (internal view) in contrast to a set of arrows $\text{Hom}_\mathcal{C}(X,Y) = \{f | f \in \text{Ar}(X,Y)\} \in \text{Sets}$, also called hom-set (external view).

$X,Y,Y^X \in \text{Ob}(\mathcal{C})$

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In addition to 14 books mentioned in \textit{Part}_1, \textit{Part}_3 - \textit{Part}_6 we also used:

- \textit{Enriched Meanings: Natural Language Semantics with Category Theory} by Ash Asudeh and Gianluca Giorgolo
- \textit{Categories for the Working Mathematician, Second Edition} by Saunders Mac Lane