

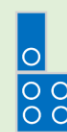




# Visual tegory Theory

Dmitry  
Vostokov

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$\text{CoPart}_2 \in \text{C}^{\text{op}}$

Visual Category Theory, CoPart 2: A Dual to Brick by Brick, Part 2

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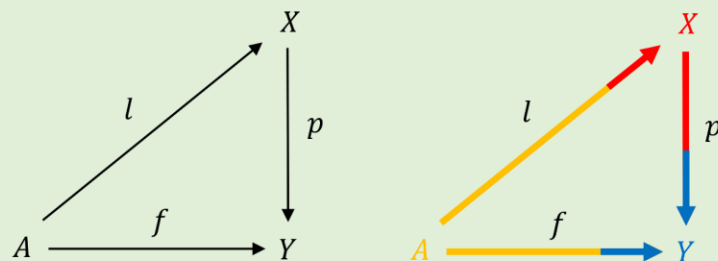
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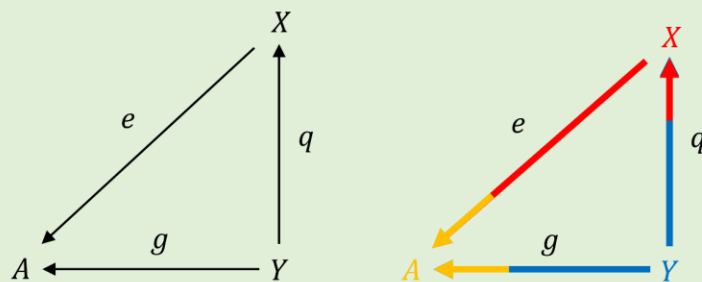
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Duality: reversing all arrows and composition order



Lifting: we lift  $f = p \circ l$  to a larger target  $X$



Extension: we extend  $g = e \circ q$  to a larger domain  $X$