

# Download Introduction To Higher Order Categorical Logic Pdf

Introduction. While propositional logic deals with simple declarative propositions, first-order logic additionally covers predicates and quantification. Take a step beyond Aristotle to evaluate sentences whose truth cannot be proved by his system. Learn about truth-functional logic, pioneered in the late 19th and early 20th centuries by the German philosopher Gottlob Frege. Category theory formalizes mathematical structure and its concepts in terms of a labeled directed graph called a category, whose nodes are called objects, and whose labelled directed edges are called arrows (or morphisms).  
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