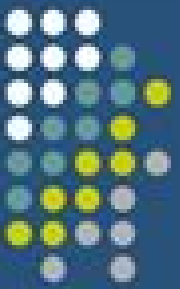


Models for Formal Mathematical Logical Systems



- A Formal System uses symbolic logic with predicates and quantifiers to try to capture and express completely and uniquely the totality of statements of a mathematical theory.
- Key issues for such a formal system are
 1. Is the system of logically related propositions sound?
 2. Is the system consistent?
 3. Does the system contain all the propositions of the mathematical theory as theorems.... Is it complete?
- A (set theoretic) model for a formal system is an interpretative correspondence between a part of set theory and the constants, variables, predicates, and other aspects of the formal system. In the model's interpretation every theorem (proven statement) of the system is true.

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for practical convenience while learning from different approaches in the literature but without favoring any one of them nor integrating them since they are not necessarily compatible with each other In the end this book offers a new theory to transcend the existing approaches in the literature in a new direction not thought of before This seminal project is to fundamentally alter the way that we think about formal science from the combined perspectives of the mind nature society and culture with enormous implications for the human future and what I originally called its post human fate

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