

Intension, Designation, and Extension

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It is not our business to set up prohibitions,
 but to arrive at conventions.
 Carnap¹

Introduction This paper presents a semantical theory for free S_5 in all finite types. That is, the system of logic determined by the theory is a modal logic which allows quantification over individuals, propositions, properties of individuals, properties of propositions, properties of properties of individuals and propositions, and so on, without limit. Because the logic is free, it is not presupposed that any individuals exist and singular terms may be used even if they do not stand for anything.

The following features of the theory are worthy of note: (1) it permits one to formalize Descartes' version of the ontological argument; (2) it does not commit one to asserting that A and B express the same proposition as soon as one asserts $\Box(A \equiv B)$ (the box should be glossed as "necessarily"); (3) the theory

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Errors and infelicities are, of course, my responsibility.