
BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

Wednesday 3rd May, 2023: 17:15 - 18:00

Room B7, Exakte Wissenschaften, Bern

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Formalisation of Obligations in Logic

Abstract

Deontic logic is logic of obligations and permissions. Standard deontic logic uses a modal operator to show obligation. On the other hand, Justification logic is an explicit variant of modal logic that replaces the modal operator with a justification term, such that we can interpret the term as a reason for obligation. Constructing a logic where obligations are explicitly represented by a term as a reason is the goal of my work.