

## NOTES ON TYPED TRUTH AND CONSISTENCY ASSERTIONS

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In the talk we characterise the strength of a specific set of compositional truth axioms over a minimal theory of syntax. In this particular axiomatization, principles for truth together with the theory of syntax act like a functor that apply to arbitrary object theories. Answering some conjectures by Richard Heck, we show that the application of the truth+syntax package to the object theory is mutually interpretable with a canonical consistency statement for the object theory plus Q. We then focus on some applications: on the one hand we take into account the close relationships occurring between the proposed truth axioms and systems of predicative comprehension; on the other, we consider the impact of our results on philosophical accounts of the explanatory role of the truth predicate.