

Weak ω -categories as models of a type theory

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We give a presentation of weak ω -categories by the means of a type theory, and give a quick demonstration of a theorem prover based on this theory. We discuss some considerations about weak ω -categories, and how they translate on the syntax to make the use of this tool easier. Hinting at a broader correspondance between higher algebraic theories and dependent type theory, we sketch an argument to formally relate the syntax to the theory of weak ω -categories.