

SEMINAR:

HIGHER CATEGORIES AND HOMOTOPICAL ALGEBRA USC

ORGANIZERS

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VENUE

TBD, USC.

HOMOTOPY THEORY

There are many motivations to begin learning about ∞ -categories, which can be viewed as a homotopy theory version of category theory. There exists many applications of ∞ -categories such as in logic (e.g. homotopy type theory), derived algebraic geometry, and so on. For those interested in the latter, a goal of this course could be to learn the tools to begin reading Lurie's thesis afterwards; for those interested in algebra, learning about ∞ -categories will be useful to learn about the derived settings; for those interested in (algebraic) topology, ∞ -categories come from your field! A determined seminar outline has yet to be made, but updates will be available on the website:

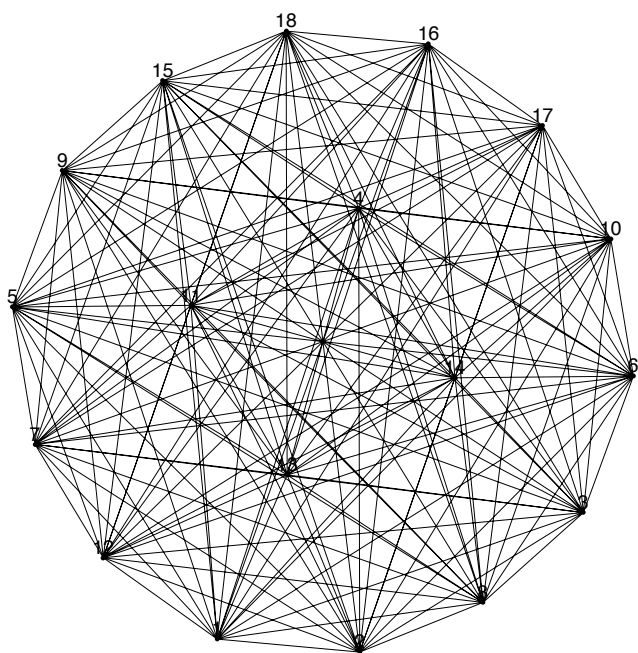
notsatos.github.io/posts/htseminar/

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WEBPAGE

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Prerequisites. We hope to not assume the most, but the person participating will ideally have experience with category theory (and to a greater benefit homological algebra). But we do not in fact assume experience with classical homotopy theory of simplicial sets and algebraic topology.

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