

Introduction to Categorical Logic

80-514/814

Suggested Topics for Student Projects

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This document will grow as we go along. Come talk to me for more information about any of these topics. And feel free to suggest others!

1. Lawvere Duality

- Adamek, Lawvere, Rosicky: On the duality between varieties and algebraic theories, *Algebra Universalis*, 2003.
- Adamek, Rosicky, Vitale: *Algebraic theories*, Cambridge University Press, 2010.

2. Gabriel-Ulmer duality

- Makkai, Pitts, Some results on locally finitely presentable categories, *Transactions of the AMS* 1987.
- Adamek, Rosicky, Vitale: *Algebraic theories*, Cambridge University Press, 2010.