

Presentation of Master's Project

Towards an Axiomatic Theory of the Category of Graphs

By

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William Lawvere and Myles Tierney gave six axioms for an abstract category to be the category of sets. Since a graph can be viewed as a set with a special structure, these six axioms seem a natural point for beginning an investigation of the category of graphs. I will describe the categorial structures I've discovered when trying to determine if these axioms were satisfied.

Tuesday May 8, 2007
1:10 p.m. in Math 109