Logikseminariet Stockholm–Uppsala

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A taxonomy of fibrations

There are a variety of natural "lifting" properties that one may require of a functor between categories. The best-known is Grothendieck's notion of fibration; but one may also be interested in the discrete fibrations, the isofibrations, the prefibrations or the Conduché fibrations. The purpose of this talk is to describe these and their relation to each other. A useful organising tool to do this will be the correspondence between Grothendieck fibrations and indexed categories; a correspondence that admits generalisation to the other forms of fibrational structure we consider.

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sal 11167, Ångströmlaboratoriet, Uppsala.

http://www.math.su.se/~jesper/seminarier/