Robert Rapael*, raphael@alcor.concordia.ca. The reflection of certain categories of domains in the category of commutative semiprime rings. Preliminary report.

This is a report of work in progress with M. Barr and J. Kennison.

For the special session on categorical topology.

One reflects into the category of semiprime rings a full subcategory, for example that of domains, that of integrally closed domains, and others. The reflection is described and there are nice descriptions of how a ring since inside its reflection. (Received September 09, 2013)