1167-00-283 **Robert Prentner*** (robert.prentner@gmail.com). *Philosophy, Cognition, and Perfectoid Diamonds.* Preliminary report.

Philosophy and mathematics have many things in common. Still, and at the current stage of history, philosophy might have a lot to learn from mathematics.

The sciences of the mind are largely dominated by the idea that a description of the mind is best given via the concept of computation. Thinking means to compute. Yet, there are well-known obstacles to a fully computational philosophy of mind. I would like to offer a new, complementary perspective on the study of mind which extends it to the study of geometric objects.

This perspective will focus on the concepts of "awareness" and "self". While these have sometimes been approached from the angle of a "0-category" (e.g. mappings between numbers), I propose to appeal to infinity-categories for their study. In particular, I will focus on a recent proposal by Shanna Dobson and myself to regard the (infinity,1)-category of perfectoid diamonds to formally model properties such as "privacy" or "self-reflexivity" that are often thought to elude computational analysis. (Received March 09, 2021)