Mirror maps, categoricity and arithmetic

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In recent years the relations between model theory (via O-minimal structures) and arithmetic geometry and Hodge theory have attracted the attention of the mathematical community with important developments. In this talk, I would like to propose a different perspective for those relations via the notion of logically perfect structures introduce by Boris Zilber man years ago. In particular, I will discuss how the idea of categoricity could be helpful for understanding properties of the j-function (mirror map for elliptic curves) and speculate how some of these ideas could be extended to other mirror maps and their arithmetic properties.