

Questions in first-order logic

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Inquisitive logic is a research program that aims to extend the scope of logic to questions. A prime example of an inquisitive system is inquisitive first-order logic, which extends of classical first-order logic with questions. Given a unary predicate P , in this logic we can regiment not only statements such as “all/some objects are P ”, but also questions such as “whether all/any objects are P ”, “what is an instance of a P ”, and “which objects are P ”, among others.

In this talk I will introduce the basic ideas of inquisitive logic and explain how they are implemented in inquisitive first-order logic. I will then mention some important open problems about this logic and present some interesting recent advances.