

Herbrand's theorem (first order logic)

 ${\bf Canonical\ name} \quad {\bf Herbrands Theorem first Order Logic}$

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Related topic HerbrandStructure

Let T be a first-order theory consisting of open formulas only. Then:

- 1. If T is satisfiable, it has a Herbrand model
- 2. If T is not satisfiable, there is a finite subset of the set of ground instances of formulas of T which is unsatisfiable.