



انجمن منطق ایران

Intuitionistic analogues of the Łoś-Tarski Theorem

Mostafa Zaare
Damghan University

Abstract: In classical model theory, the Łoś-Tarski Theorem states that a classical theory is axiomatizable by universal sentences if and only if it is preserved under submodels. In this talk, we investigate intuitionistic analogues of this theorem in the context of Kripke models.

References

- [1] B. Ellison, J. Fleischmann, D. McGinn, and W. Ruitenburg, *Kripke submodels and universal sentences*, *Mathematical Logic Quarterly* 53, 311-320, 2007.
- [2] Z. Markovic, *Some preservation results for classical and intuitionistic satisfiability in Kripke models*, *Notre Dame Journal of Formal Logic* 24, 395-398, 1983.
- [3] M. Moniri and M. Zaare, *Preservation theorems for Kripke models*, *Mathematical Logic Quarterly* 55, 177-184, 2009.
- [4] A. Visser, *Submodels of Kripke models*, *Archive for Mathematical Logic* 40, 277-295, 2001.
- [5] M. Zaare, *Extensions of Kripke models*, *Logic Journal of the IGPL* 25, 697-699, 2017.

Monday, August 17 (27 Mordad), 2020, 16:00-17:00
Online public access via following link as guest user:
<https://www.skyroom.online/ch/ial/monthly>