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Effectiveness in Continuous Logic

K. Ghasemloo Sharif University of Technology Tehran, Iran

This is a joint work with F. Didehvar and M. Pourmahdian.

We build a real computable model for effectively given (linear complete) theories of first order Lukasiewicz, RPL, Continuous Logic, based on domain theoric real computation model, and show that there are non-linear-complete effectively given theories, which do not have any computable model.