
MARTIN ZEMAN, University of California at Irvine

Universality of local core models

Assume M is a proper class inner model; denote the core model computed in M by K^M . Under suitable anti-large cardinal hypothesis we show that if $\delta > \omega$ is a regular cardinal in V such that M correctly computes the its cardinal successor then $K^M \upharpoonright \delta$, the initial segment of K^M of length δ , is universal for all iterable premice in V of size strictly smaller than δ . I will also discuss several variations and consequences of this fact. Perhaps the most interesting consequence is that the existence of δ as above implies that M is Σ_3^1 -correct. This is a joint work with Andres Caicedo.