

LARGE CARDINALS AND PERFECT TREES

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I will describe the advantages of perfect tree forcing at kappa over kappa-Cohen forcing in the large cardinal setting. This enables one to obtain the following consistency results, from optimal hypotheses: the failure of GCH at a measurable, the tree property at the double successor of a measurable and the global failure of GCH at regular cardinals, in the presence of large cardinals. This is joint work with Thompson, Dobrinen and Honzik.

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