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Structure at the Successor of a Singular Cardinal

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Suppose that we wish to force some $\forall\exists$ statement about subsets of κ^+ . For κ regular it is natural to iterate κ -closed forcing with some suitable form of κ^+ -cc, but this technique is not available for κ singular. In the first lecture we will discuss a general framework for approaching this kind of problem, and in the second lecture we will work through an example in detail.

This is a joint work with Mirna Džamonja, Menachem Magidor, Charles Morgan and Saharon Shelah.