Mathematics, Statistics, and Computer Science   **@ UIC**

Set theory workshop

Iterated forcing and the Continuum Hypothesis, part 3

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Abstract: One of the great successes in set theory in the 1970s and 80s has been the isolation of an optimal hypothesis for iterating forcings while preserving uncountablity. It turns out that while there is a well developed theory of iterating forcings which do not introduce new reals, this theory is necessarily more ad hoc in nature. This tutorial will discuss Shelah's preservation theorems for not adding reals as well as recently discovered examples which illustrate that these results are, in some sense, sharp.

Saturday, October 22 at 9:30 AM in SEO 636