

# Universality properties of forcing extensions

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The aim of my talk is to present forcing as a tool to construct models of the universal theory of  $\langle H_{\kappa^+}, \in \rangle$  for an infinite cardinal  $\kappa$ . To this end, I shall discuss the combinatorial aspects of Woodin's stationary tower forcing with critical point  $\kappa^+$ , focusing on the construction of ultrafilters with special model-theoretic properties. This is joint work with Matteo Viale.