Dilip Raghavan

National University of Singapore
dilip.raghavan@protonmail.com

Some results on cardinal invariants above the continuum

I will survey some of my work with Saharon Shelah on cardinal invariants at uncountable regular cardinals. The focus will be on the bounding, dominating, splitting, reaping, and almost disjointness numbers. The discussion will include both consistency results as well as a few unexpected ZFC theorems, which show that the situation at regular uncountable cardinals is fundamentally different from the situation at ω. The ZFC theorems rely on a variety of combinatorial techniques including some facts about PCF theory.