

Logic Seminar

Diamond, Scales and SCH Down to \aleph_{ω^2}

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Abstract: Gitik and Rinot proved assuming the existence of a supercompact that it is consistent to have a strong limit cardinal κ such that $2^\kappa = \kappa^+$, there is a very good scale at κ , and diamond fails along some reflecting stationary subset of $\kappa^+ \cap \text{cof}(\omega)$. I will force over Gitik and Rinot's model but with a modification to Gitik-Sharon diagonal Prikry forcing to get this result for $\kappa = \aleph_{\omega^2}$.

Tuesday, September 12 at 4:00 PM in SEO 427