

Title: Lower bounds for mutual stationarity on alternating cofinalities.

Abstract: Mutual stationarity was introduced by Foreman and Magidor to study saturation properties of nonstationary ideals on singular cardinals. The mutual stationarity on alternating cofinalities we will talk about is a property similar to Chang's Conjecture and Jonssonness. As a property on singular cardinals it also relates to PCF theory.

We shall present lower bounds for a multitude of mutual stationarity properties that range from almost optimal to deeply disappointing. This is joint work with Sean Cox and Philip Welch.