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Tail Densities of Copulas

The tail density of a copula, if exists, is a limiting density of the copula with proper scaling, and can be used to study multivariate extremes. In this talk, we will use tail densities to study mixtures of copulas, and show how tails of copulas can be changed from tail independence to tail dependence (and vice versa), via random mixture. The application to tail distortion is also discussed.