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Bounded distortion for random maps sampled across large parameter intervals.

Recently, with Anthony Quas (Victoria) and Matteo Tanzi (NYU) we have established bounded distortion estimates for randomized intermittent Liverani-Saussol-Vaianti (LSV) maps sampled across the full parameter range. Obtaining bounded distortion is a key step in deriving decay of correlation asymptotics for iterated maps and all kinds of random maps. We will briefly outline how this works and discuss alternatives to bounded distortion that can be applied in some settings.