Faithfulness based opacity in Harmonic Serialism

Ivy Hauser and Coral Hughto
(UMass, Amherst)

Phonological opacity is classically difficult to analyze in Optimality Theory. Analyses of opacity in Harmonic Serialism (HS) (McCarthy, 2007a; Jarosz, 2014) have included significant elaborations to the theory despite the addition of a serial framework. We propose an analysis of counterbleeding and counterfeeding interactions in HS using only two types of specific faithfulness constraints: Contextual Faithfulness and Faith-UO. These constraints are highly specific to each interaction, therefore we argue that they are induced on a per language basis. This avoids poor typological predictions that would result if they were included in universal Con and freely re-rankable. We provide a preliminary sketch of an induction algorithm which will only induce these faithfulness constraints when presented with opaque data.