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DYNAMIC APPROACHES TO PHONOLOGICAL PROCESSING

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Abstract: Natural language occurs in time. Events happen earlier, later, or simultaneously with other events; however, this temporal dimension is often downplayed or overlooked. This Element introduces readers with a background in structural linguistics to dynamic approaches to phonological processing. It covers models of serial order, speech production, and speech perception, with special attention to how they can enhance one another. It then asks whether dynamic approaches have the potential to change how we think of phonological structure. Key ideas discussed include phonemes and auditory targets, control mechanisms creating structure, and the shape of phonological representations in a dynamic context. The Element should function as a bridge for those with linguistic questions who want to learn answers derived from the study of speech as a dynamic system.

Keywords: psycholinguistics, speech production, speech perception, dynamic systems, phonology

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