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A Theory of Resonance: Towards an Ecological Cognitive Architecture

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Abstract: This paper may be seen as a blueprint for an ecological cognitive architecture. Ecological psychology, I contend, must be complemented with a story about the role of the CNS in perception, action, and cognition. Such a story must be a theory of resonance compatible with the main tenets of ecological psychology. I offer here the two main elements of such a theory: a framework (Anderson's neural reuse) and a methodology (multi-scale fractal DST).