

**THE *FLUXATIONS* STOCHASTIC INTERACTIVE ALGORITHMIC MUSIC
ENGINE (SIAME) AND iPhone APP**

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ABSTRACT

This paper reports on aspects of the *Fluxations* paradigm for interactive music generation and an iPhone app implementation of it. The paradigm combines expressive interactivity with stochastic algorithmic computer generated sound as guided by the author's musical preferences. The emphasis is on pitch-oriented (harmonic) continuity and flux, as steered through sliders and sensors. The paradigm enables the user-performer to maximize exotic but audible musical variety by spontaneously manipulating parameters within the paradigm.