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TITLE: A hypothetical model of spontaneous creativity in improvisation

ABSTRACT:

This talk proposes a mechanistic account of the spontaneous creativity involved in musical improvisation, based on a model of spontaneous creativity in composition by the lone composer (Wiggins, 2012). It is placed in context of a hierarchical model of music cognition, from audio to conscious experience, motivated by Baars' (1988) Global Workspace theory. The model is a candidate for implementation, and work on the components of a simulation in the MAX music programming language is proceeding.