

*Involuntary Versus Involuntary augmented with Voluntary EEG-Driven Stimulation
Using Offset, Interactive Multisensory Feedback on the Production of Dominant Alpha
Brainwave Amplitude*

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Abstract

This study combined current brainwave entrainment theory and audio-visual stimulation (AVS) methodologies with a customized, EEG-Driven neurofeedback protocol and newly developed AVS hardware and software in order to test the degree to which conscious control during voluntary entrainment sessions enhanced dominant alpha brainwave production.