

## HIGH HIT-RATE RANDOM NUMBER GENERATOR EXPERIMENT WITH HIGH GRADIENT OF SHANNON ENTROPY FEEDBACK

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### **Abstract**

In a previous BIAL Foundation grant we demonstrated significant correlation between performances in anomalous cognition (a.k.a, ESP, remote viewing, and clairvoyance) trials with a physical photographic target property known at the gradient of Shannon entropy. That is, ESP was statistically more pronounced when target photographs have large changes of intensity across the picture. In another previous BIAL Foundation grant, we attempted to demonstrate similar effects in a random number generator experiment. For this study, we constructed binary sequences with large entropic gradients and, there, expected experiment participants to preferentially select sequences with larger gradients using their ESP ability. While we observed significant evidence for RNG effects, the above hypothesis was not confirmed. We noticed, however, that the feedback display was insensitive to the underlying entropic gradient. The purpose of this study was to manufacture displays that reflected the underlying gradients and see if the RNG results would track the display gradients.

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