

Samuel Epstein  
samepst@jptheorygroup.org  
139 Forest Hills St Unit 2  
Jamaica Plain, MA  
02130

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Dear Reader,

When I first started this manuscript, I was initially interested in questions about quantum complexity and algorithmic entropy. Along the way, it became apparent that it was possible to characterize the algorithmic content of all quantum states. Furthermore, for the first time in 90 years, nonlocal properties of physics have been discovered. This manuscript marks the start of a very special journey into learning properties about the very fabric of our algorithmic universe.

Sincerely,



Samuel Epstein