

**MATHEMATICAL IMPLICATIONS IN EMULATING
THE ARTISTIC GENIUS.
THE PSYCHOLOGY OF CREATIVITY - WHERE TO?**

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Abstract

There is a need to exactly define genius in literature and art in general. What leads to the birth of genius? We believe that artistic genius is quantifiable and can be reproduced by mathematical means, with computer networks and artificial environments being used to emulate this genius. Society and the environment play an important role in favoring the emergence of an artistic genius. Literary works can be decomposed to basic elements and recomposed to form new works of genius using Fibonacci strings, the number Phi, and fractals. Mathematics in art is already applicable in modern-day SEO techniques, for example modern technology can be used to deconstruct Poe's "The Raven". By emulating the artistic genius through computerized means we can better understand how the human mind works and what gives birth to genius in the first place, leading to new perspectives in the Psychology of creativity.

Keywords: genius; art; literature; mathematics; psychology

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