

## The Implications of Digital Art Passing the Turing Test

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**Abstract :** Application of the Turing to digital art will lead to better understanding of the meaning of digital art. This topic has gained importance with the emergence of AICAN ('AI Creative Adversarial Network') machines. Many digital artworks will pass the test, but it must be questioned whether this is a disqualification of human art. The paper integrates into two threads of philosophical discussions. It starts with discussions about the Turing test. The paper first refutes the objection that the comparison is not justified given the interactive set up of the Turing test. And in discussing the Turing test the paper lays bare a not widely discussed peculiarity of the test. Turing talked about the 'universal machine', but in the test the core question is whether the computer can replace a particular human being (a man, distinguished from a woman). This tension is used to emphasize the highly contextual use of digital machines. The main part of the paper discusses aesthetic theories in order to understand the possibilities and consequences of digital art passing the Turing test. It applies these theories on several categories of art. The main findings of the study are that the forms of digital that 'imitate' great artists might pass the Turing test but do not contribute to further development of art and do not fulfill a vital condition of art. And there is a category of art in which the personality and the background of the artist are important. There are limitations in the way digital art can replace human in expressing and conveying meaning. Nevertheless there are forms of art that pass the Turing without complications. The application of aesthetic theories shows that these forms must be strongly connected to autonomous and formalistic forms of art, that have come up in the 20th century.

**Keywords :** digital art, turing test, aesthetics, creative adversarial network

**Conference Title :** ICPAA 2024 : International Conference on Philosophy, Art and Aesthetics

**Conference Location :** London, United Kingdom

**Conference Dates :** May 23-24, 2024