

Title: Towards Artificial Intelligence Art

Summery : Art has a long-standing, complex and continually evolving relationship with science and technology. It is believed that AI is a new revolution of technology that will radically alter the way people make artworks. The combination of AI and art has given birth to a new form of art called AiArt. Artificial Intelligence (AI) is being used to create artworks that interact with audiences in intelligent ways with human-like sensibilities. In 1983, a digital artist named Stephen Wilson put forward an anticipation of the future trend for computer art. Liqing Tan has given a bold interpretation and prediction for the development of AiArt in the future. Since the 1990s, with the invention of human-computer interaction technologies, AiArt has gradually separated from previous computer art. AI system can use sensors and other devices to obtain visual, auditory, and tactile sensations. Compared with traditional computer programs and systems, AI also has learning and analysis capabilities in addition to perception capabilities. Artificial intelligence (AI) allows computers to "learn" specific aesthetic rules by analyzing thousands of images, and then try to "create" new images that fit their aesthetic characteristics. Harshit Agrawal of Bangalore based in India, input 60,000 human anatomy pictures into an algorithm, and created a series of abstract paintings like crimson blizzards. Digital AI media can break away from the constraints of time and space, communicate and interact with the audience in a humane and intelligent way, and integrate the virtual world and reality. Although digital AI media is invisible and intangible, it plays a core role in artistic creation that controls the overall context of artworks. The meaning expression of AiArt, nevertheless, has special advantages. Not only can the creators' thoughts and emotions be directly expressed through computer vision, speech recognition and sensing technologies. It also break through the constraints of time and space to communicate with the audience through network and remote communication technologies. AiArt will be a highly comprehensive cross-media art that integrates various elements such as sound, light, video, image and text. It may reconcile different or opposite beliefs, and bring different physical and non-physical entity together with philosophy, religion, and cultural customs. The theory of AiArt lags behind the practice of creation, and there is a lack of theoretical journals and discussions on the art of AI. We have identified the need for deeper understanding of how AI and art interact and how they affect and help each other.

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