Constructing Sentient Androids

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Abstract. This paper represents an application of Unified Field Mechanics (UFM) correlating with the Anthropic Principle. Generally the simplistic distinction between a humanoid robot, a computerized machine capable of replicating a variety of complex human functions automatically, and an android is one of appearance; an android is meant to look and act like a human being even to the extent of being indistinguishable. While one day a yottaflop (1024 bits per second) hyper-supercomputer could have a sufficient holographic database and processing power to be truly indistinguishable from a human being, the issue of the applicability of sentience (self-awareness) to an android comes to the forefront. The currently dominant cognitive model of awareness, closely aligned to the AI model, states that mind equals brain and that once correct algorithms are known all of human intelligence could be replicated artificially. This is the so-called mechanistic view: 'The laws of physics and chemistry are sufficient to describe all living systems; no additional life principle is required'. In this work we develop the point of view that the regime of Unified Field Mechanics (UFM) supplies an inherent action principle driving both the evolution of complex Self-Organized Living Systems (SOLS) and the physical processes of awareness. These UFM parameters in conjunction with 'conscious quantum computing' (class of quantum computer modeled with physical parameters of mind-body interaction) putatively leads directly to the construction of sentient (or sentient-like) Androids.