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Human-mind-inspired processing model for computing

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Abstract

Among various computing models, it is difficult to find a model inspired from the human mind to improve the computational efficiency of the computer. In fact, the human mind becomes competent in responding for the inputs, resourcefully and mindfully acquiring knowledge and experience over continuous processing with the time. Further, as it is possible to find deeper explanation for the human mind in the Buddhism, the introduction of a computing model imitating the human mind based on Buddhist Theory of Mind (BTM) to enhance the computational efficiency, would be a great research challenge. According to the BTM, human mind is a continuous thought process which arise as per the conditions. Imitating this processing model in the human mind, a computing model called Six-state Continuous Processing model was introduced exploiting 24-causal relations in BTM. This paper discusses this profound Buddhist theoretical approach that was used in order to derive the Six-state continuous processing model.

Keywords Nature inspired computing · Six-state continuous processing model · Memory · NP-completeness · Buddhist Theory of Mind · Thought process · 24 causal relations

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