Human-State–Coupled Computational Control Systems

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Abstract

Human physiological and emotional signals are formalized as primary control variables in adaptive computational systems.

1   Human State

$$\mathcal{H}(t) = [E(t), G(t), B(t), N(t)] \tag{1}$$

2   Control Input

$$U(t) = \alpha E + \beta G + \gamma B + \delta N \tag{2}$$