

Logic and Emotion: Whitehead's Category of the Ultimate

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Category theory has its foundations in the pure mathematics of sets. The philosopher Alfred North Whitehead developed an alternative basis in his book *Process and Reality* in the description of the Category of the Ultimate, with prehension employed for the becoming of beings. This paper argues that this category corresponds closely to a topos, prehension and becoming to adjointness and being to existence, all mainstream concepts in category theory. Whitehead's work therefore deserves to be treated as a philosophical basis for category theory with its additional emphasis on processes in general, including biological ones, offering a lead into the more adventurous use of category theory in the future.