

**Summary Philosophy of a Specific Discipline Thesis**

**QUEST FOR COHERENCE: TRACING PARALLELS  
BETWEEN LOOP QUANTUM GRAVITY AND THE  
PROCESS PHILOSOPHY OF BERGSON AND  
WHITEHEAD**

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This thesis delves into the parallels between Loop Quantum Gravity (LQG) and the Process Philosophy of Bergson and Whitehead. Moving away from substance metaphysics, Bergson and Whitehead strive to establish coherence in their processual systems. LQG, on the other hand, seeks coherence through the fusion of General Relativity and Quantum Mechanics, while also embracing a process-oriented ontology. However, LQG falls short of achieving the same level of coherence as Bergson and Whitehead, as its concept of time remains multi-layered. The numerous parallels between Bergson and Whitehead's process philosophy and LQG - such as atomicity, indeterminism, processual relationality, and the significance of change - allow for a fruitful exploration of mutual learning between LQG and process philosophy, potentially leading to advancements in LQG.