1125-44-1851 **Lance Nielsen*** (`lnielsen@creighton.edu`), Department of Mathematics, Creighton University, Omaha, NE 68178. *Combining Continuous and Discrete Phenomena in Feynman's Operational Calculus in the Presence of a (C_0) Semigroup: Feynman-Kac Formulas with Lebesgue-Stieltjes Measures.* Preliminary report.

Using an evolution equation for Feynman's operational calculus with time-ordering measures having non-zero discrete parts, we illustrate some "Feynman-Kac formulas with Lebesgue-Stieltjes measures". These formulas arise from a direct application of the evolution equation when certain choices for the generator of the (C_0) semigroup, the operators and the associated time-ordering measures are made. (Received September 19, 2016)

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