

1014-60-686

Seung Jun Chang, Jae Gil Choi and David L. Skoug* (dskoug@math.unl.edu), 325 Avery Hall, Department of Mathematics, University of Nebraska-Lincoln, Lincoln, NE 68588-0130.

Simple formulas for conditional function space integrals and applications.

In this paper, for a very general conditioning function, we obtain a simple formula for expressing conditional function space integrals in terms of ordinary (i.e. nonconditional) function space integrals. We then use this simple formula to establish several conditional function space integration formulas. (Received September 22, 2005)