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Byoung Soo Kim (mathkbs@dreamwiz.com), Department of Mathematics, Yonsei University, 120-749 Seoul, Korea, and **David L Skoug*** (dskoug@math.unl.edu). *Integral transforms of functionals in $L_2(C_0[0, T])$.*

In this paper we give a necessary and sufficient condition that a functional $F(x)$ in $L_2(C_0[0, T])$ has an integral transform $\mathcal{F}_{\alpha, \beta}F(x)$ which also belongs to $L_2(C_0[0, T])$. (Received September 29, 2000)