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Cameron and Storvick discovered change of scale formulas for Wiener integrals of functionals in a Banach algebra \mathcal{S} on classical Wiener space. Yoo and Skoug extended these results for functionals in the Fresnel class $\mathcal{F}(B)$ and in a generalized Fresnel class \mathcal{F}_{A_1, A_2} on abstract Wiener space. We establish a relationship between a function space integral and a generalized analytic Feynman integral on $C_{a,b}[0, T]$ for functionals in a Banach algebra $\mathcal{S}(L_{a,b}^2[0, T])$. Moreover we obtain a change of scale formula for a function space integral on $C_{a,b}[0, T]$ of these functionals. (Received September 11, 2012)