

Strong continuity of composition semigroups

Given a composition semigroup $\{\phi_t : t \geq 0\}$ of analytic self maps of the unit disc \mathbb{D} and a normed linear space X consisting of analytic functions on \mathbb{D} such that the individual operators $T_t : X \rightarrow X$, $T_t(f) = f \circ \phi_t$ are bounded on X , we consider the map $t \rightarrow T_t \in L(X)$ from the real numbers to the space of all bounded operators on X , and depending on the various topologies of $L(X)$ we discuss the continuity of the resulting semigroup $\{T_t\}$. We will review some older results when X is a classical space of functions and the topology is the strong operator topology, and some more recent when the space X is *BMOA*.