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Composition Semigroups on BMOA and H^∞ .

A semigroup $\{\phi_t\}_{t \geq 0}$ of analytic self-maps of the disk satisfies $\phi_t \circ \phi_s = \phi_{t+s}$, and induces a semigroup of composition operators. We study $[\phi_t, X]$, the maximal space of strong continuity, when the composition operators act on a space X of analytic functions, particularly when X is H^∞ or $BMOA$. We show that $[\phi_t, BMOA] \neq BMOA$ for all nontrivial semigroups. (Received January 15, 2019)