

**SOME SPECTRAL PROPERTIES OF COMPOSITION  
OPERATORS ON ALGEBRAS OF BOUNDED ANALYTIC  
FUNCTIONS ON BANACH SPACES**

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For a complex Banach space  $E$ ,  $H^\infty(B_E)$  is the uniform algebra of bounded analytic functions defined on its open unit ball  $B_E$ . Every analytic self-map  $\varphi$  of  $B_E$  gives rise to a composition operator  $C_\varphi : f \in H^\infty(B_E) \rightsquigarrow f \circ \varphi \in H^\infty(B_E)$ . We will describe the spectra of some such composition operators and will discuss whether  $C_\varphi$  is a Fredholm operator in connection with its symbol  $\varphi$ .

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