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of uniform algebras*.

ABSTRACT. We discuss compact and weakly compact homomorphisms of uniform algebras. The main result is that if the composition operator on a uniform algebra induced by ϕ is weakly compact, then ϕ has a finite number of attracting cycles, to which the iterates of ϕ converge. This extends work of H. Kamowitz and U. Klein covering compact homomorphisms of uniform algebras. The proof involves “hyperbolically unbounded” sequences in the spectrum of a uniform algebra.