1172-46-87 **Donald W. Hadwin*** (operatorguy@gmail.com), MATH DEPT UNH, 33 Academic Way, Durham, NH 03824, and **Wenjing Liu** (don@unh.edu), MATH DEPT UNH, 33 Academic Way, Durham, NH 03824. *Path-connected Closures of Unitary Orbits.*

In 1977 the first author proved that the unitary orbit of an operator T on a separable Hilbert space H has a path-connected norm closure in $B(H)$. In this work we replace $B(H)$ with a unital C*-algebra B and the operator T with a unital *-homomorphism F from a separable unital C*-algebra A, and we consider the path-connectedness of the point-norm closure of the unitary orbit of F. Among other results we prove an affirmative results when A is arbitrary and $B = B(H)$ for a separable Hillbert space H, or when A is Abelian and B is a von Neumann algebra. (Received August 18, 2021)