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Eric L McDowell* (emcdowell@berry.edu), Department of Mathematics and Computer Sci,
2277 Martha Berry Highway, Mount Berry, GA 30149. *Commuting Self-maps of the Unit Interval*.

It was conjectured in the mid-1950s that every pair of commuting self-maps of the unit interval must share a common fixed point. In 1967, John Philip Huneke and William M. Boyce independently produced a counterexample to this claim. We survey some of the literature regarding commuting functions and common fixed points and offer motivation for continued investigation. (Received August 24, 2009)