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Ethan M. Coven and **Michael Keane*** (mkeane@wesleyan.edu), Mathematics Department,
Middletown, CT 06459, and **Michelle Lemasurier**. *A characterization of the Morse minimal set
up to topological conjugacy.*

We establish necessary and sufficient conditions for a dynamical system to be topologically conjugate to the Morse minimal set, the shift orbit closure of the Morse sequence, and conditions for topological conjugacy to the closely related Toeplitz sequence. This is joint work with Ethan Coven and Michelle Lemasurier. (Received August 07, 2007)