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Christian Hokaj and **Kenneth Plante*** (kenplante4@gmail.com), 165 South Elm Street,
Windsor Locks, CT 06096. *Topological Properties of Classical Multiplier Sequences, n-sequences,
and Extensions.*

We consider topological properties of the space of classical n-sequences and the space of classical multiplier sequences, and show that both spaces are complete and contractible. We classify the boundary points of these sets (as subsets of all real sequences) in terms of the zeros of an associated polynomial, and give both necessary, and sufficient conditions for the extendability of an n-sequence. (Received August 30, 2016)