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Jeffrey M Groah* (jeffrey.m.groah@lonestar.edu), Mathematics Department, 3200 College Park Dr, Conroe, TX 77381. *A connectivity preserving discontinuous function.*

A recently published problem and three distinct solutions concerning functions that are connectivity preserving but nowhere continuous are presented. It is well-known that continuous functions map connected sets to connected sets. Also, there are examples of functions that are discontinuous at one point and yet connectivity preserving. In this session, three constructions of a function that is connectivity preserving but continuous nowhere are discussed. (Received September 03, 2009)