1145-03-1092   **Reed Solomon*** (`david.solomon@uconn.edu`). *Revisiting Remmel's analysis of computably categoricity for linear orders.* Preliminary report.

One of Jeff Remmel's most quoted theorems is that a computable linear order L with infinitely many successor pairs has infinite computable dimension. In the main step of this theorem, he proved there is a computable linear order R which is $0'$-isomorphic to L but not computably isomorphic to L. Marie Nicholson considered which computable linear orders L and Δ_2^0 degrees have a similar property. In this talk, I will survey some of the results from Marie's dissertation as well as some more recent examples. (Received September 18, 2018)