Norman Carey* (ncarey@gc.cuny.edu). Christoffel Words, Rich Words, and Perfect Balance.

This is a placeholder. Dr. Carey will shortly be able to submit his abstract to us.

All Christoffel Words (which are the patterns found in well-formed scales) are palindromically rich words. Some, but not all, perfectly balanced scales are also rich. This paper will look at the distinction between rich and not-rich perfectly balanced constructions. The notion of palindromic defect describes by how much a word fails to be rich. I hypothesize that perfectly balanced words are either rich or exhibit a demonstrably low defect. (Received September 20, 2016)