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Daniel Cuzzocreo* (dcuzz@math.northwestern.edu). *Cantor Julia Sets and Automorphisms of Shift Quotients*. Preliminary report.

In 1991, Blanchard, Devaney and Keen proved the existence of a surjective homomorphism from the fundamental group of the shift locus in the space of monic and centered degree d polynomials onto the automorphism group of the one-sided d -shift. In this talk, we look at some generalizations concerning polynomials with Cantor Julia sets which are outside the shift locus and automorphisms of quotients of the d -shift. (Received September 25, 2017)