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1409 W Green St, Urbana, IL 61802. *Chromatic Spanier-Whitehead duality*. Preliminary report.

The $K(1)$ -local Spanier-Whitehead dual of KO is a single desuspension of KO itself, and the $K(2)$ -local Spanier-Whitehead dual of TMF is a 44th suspension of TMF . I will explain the common origin of these self-dualities as a result of an equivariant self-duality for Lubin-Tate spectra. Deriving the numbers in question will be an exercise in computing characteristic classes of certain representations appearing in the duality. This is joint work in progress with Agnes Beaudry, Paul Goerss, and Mike Hopkins. (Received July 16, 2019)