1125-37-809   **Lorelei Koss*** (`koss@dickinson.edu`), Dickinson College, Dept. of Mathematics and Computer Science, P.O. Box 1773, Carlisle, PA 17013. *Elliptic functions with disconnected Julia sets.*

Quadratic polynomials and rational maps have Julia sets that are either Cantor or connected. Higher degree polynomials or rational maps, on the other hand, can have Julia sets that are disconnected but not Cantor. For elliptic functions, a complete classification of the connectivity of the Julia set has been completed for only a few families. In some cases, all of the elliptic functions in the family have connected Julia sets. In other cases, all of the elliptic functions in the family have Julia sets that are either Cantor or connected. In this talk, we present examples of elliptic functions with Julia sets that are disconnected but not Cantor. (Received September 12, 2016)