

1124-13-146

Warren Wm. McGovern* (warren.mcgovern@fau.edu), Jupiter, FL 33458, **Lee Klingler** (klingler@fau.edu), Boca Raton, FL 33431, and **Drake Harmon**, Boca Raton, FL 33431.

LOCAL TYPES OF CLASSICAL RINGS. Preliminary report.

Motivated by recent results showing that the Prufer condition on rings with zero-divisors is not a local condition, we investigate the difference between the three notions of locally classical, maximally classical, and classical rings. We explore the notions of locally classical and maximally classical rings when restricted to the semi-regular prime and maximal ideals of the ring. In the context of completely regular Hausdorff spaces, maximally classical and classical rings of real-valued continuous functions have already been considered; we examine the case of locally classical rings of continuous functions. (Received September 06, 2016)