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Ela Celikbas* (ela.celikbas@math.wvu.edu). *Weakly Arf Rings and Strict Closedness*. Preliminary report.

In 1971, Lipman introduced the theory of Arf Rings and the strict closure of a ring. In this talk, we set up the definition of weakly Arf rings, a generalization of Arf rings, and give examples of weakly Arf Rings including the ones arising from determinantal rings and invariant subrings. We also observe the relation between Arf rings, weakly Arf rings, and the strict closedness of rings. This is a recent joint work with O. Celikbas, C. Ciupercă, N. Endo, S. Goto, R. Isobe, and N. Matsuoka. (Received January 16, 2021)