

1145-VR-2909 **Mojtaba Moniri*** (mojtaba.moniri@normandale.edu). *On definable completeness for ordered fields.*

Regarding definable Dedekind completeness for ordered fields, it is known to be successively weakened if we just required nonexistence of definable *regular* gaps (of zero distance to their complement) and then disallowing parameters. Reducing in the opposite order, at least one side is sharp: there are 0-definably complete ordered fields which are not real closed. The proof uses a lemma by L. van den Dries. (Received September 25, 2018)