1143-03-248 **Hossein Lamei Ramandi** and **Justin Tatch Moore***, Department of Mathematics, Malott Hall, Cornell University, Ithaca, NY 14850. *There may be no minimal non σ-scattered linear orders.*

Laver proved in 1971 that the class of σ-scattered linear orders is well quasi ordered by embeddability, confirming a conjecture of Fraïssé. Here a linear order is scattered if it does not contain a copy of the rational line and σ-scattered if it is a countable union of scattered suborders. It is natural to ask whether Laver's result can be extended to a broader class of linear orders. This is the same as asking whether there is a linear order which is minimal with respect to being non σ-scattered. Around the time of Laver's result, Baumgartner showed that consistently any set of reals of cardinality $\aleph_1$ is a minimal non σ-scattered linear order. We prove that, assuming the consistency of a supercompact cardinal, that it is consistent that there are no minimal non σ-scattered linear orders. (Received August 15, 2018)