1150-03-281 **Nigel Pynn-Coates*** (pynncoa2@illinois.edu), Department of Mathematics, University of Illinois at Urbana–Champaign, 1409 W Green St, Urbana, IL 61801. *A model complete theory of pre-H-fields with small derivation.*

Pre-H-fields are a kind of ordered valued differential field introduced by Aschenbrenner, van den Dries, and van der Hoeven in their work on the model theory of transseries; all Hardy fields are pre-H-fields. We consider a certain theory of pre-H-fields with small derivation (including those whose induced derivation on the residue field is nontrivial) and show that it has a model companion. (Received July 11, 2019)