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Allen Gehret*, Department of Mathematics, University of Illinois at Urbana-Champaign, 1409
W. Green Street, Urbana, IL 61801. *Towards a Model Theory for Logarithmic Transseries.*

The ordered valued differential field \mathbb{T} of *logarithmic-exponential transseries* has recently been shown (by the authors of [1]) to have a good model theory, completing much of the program described in [1]. There it was also conjectured that the subfield \mathbb{T}_{\log} of \mathbb{T} of *purely logarithmic transseries* would also have a good model theory (model-completeness, NIP, etc.). In this talk I will report on my work on the model theory of \mathbb{T}_{\log} .

References

- [1] MATTHIAS ASCHENBRENNER, LOU VAN DEN DRIES, AND JORIS VAN DER HOEVEN, *Towards a model theory for transseries*, ***Notre Dame Journal of Formal Logic***, vol. 54 (2013), no. 3-4, pp. 279–310.

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