

1116-06-2397

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Exponential-logarithmic power series fields and the surreal numbers.

In joint work with M. Matusinski we studied Hardy type derivations (i.e., derivations satisfying the properties of derivations on Hardy fields) and how to extend this investigation to the field No of surreal numbers. In this talk, I will give a survey of our three papers on that topic. (Received September 22, 2015)