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Juan J. Villarreal* (jjvillarreal@vcu.edu), 18310 Wisset Terrace, Hagerstown, MD 21740,
and **Bojko Bakalov**. *Logarithmic vertex algebras*.

In this work we study and define logarithmic vertex algebras. In particular, we generalized some standard results in the theory of vertex algebras for logarithmic vertex algebras. And, we give different motivations that lead to logarithmic vertex algebras. (Received September 14, 2020)