

# Zeta functions and the nature of $\text{Spec } \mathbb{Z}$ over the absolute point

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We describe the second part of our joint work with C. Consani in which we show that Soulé's definition of zeta functions of varieties over  $\mathbb{F}_1$  as a limit is equivalent to an integral formula and we determine the counting function of  $\text{Spec } \mathbb{Z}$  as a "curve" over the absolute point  $\text{Spec } \mathbb{F}_1$ .