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Alexandru Buium* (buium@math.unm.edu), 1 University of New Mexico, Albuquerque, NM
87131. *The Lie groupoid of the integers.*

An object can be constructed that can be viewed as an arithmetic analogue, for the ring of integers, of the Lie groupoid of a curve. This object is defined as the infinite p -jet space of the Witt ring of the integers and its rather non-trivial structure can be analysed. (Received August 30, 2011)