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Bol loop actions

Comment.Math.Univ.Carolinae 41,2 (2000) 405-408.

Abstract: The notions of left Bol and Bol-Bruck actions are introduced. A purely algebraic analogue of a Nono family (Lie triple family), the so called Sabinin-Nono family, is given. It is shown that any Sabinin-Nono family is a left Bol-Bruck action. Finally it is proved that any local Nono family is a local left Bol-Bruck action. On general matters see [L.V. Sabinin 91, 99].

Keywords: Bol loop action, Lie triple family, Nono family

AMS Subject Classification: 20N05