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 *$\Gamma$ -loops.*

$\Gamma$ -loops were first discovered due to their deep connection to Bruck loops of odd order. Using the well known structure of Bruck loops of odd order, we derive the Odd Order, Lagrange and Cauchy Theorems for  $\Gamma$ -loops of odd order, as well as the nontriviality of the center of finite  $\Gamma$ - $p$ -loops ( $p$  odd). More generally, we show  $\Gamma$ -loops are power-associative and if the  $\Gamma$ -loop has exponent 3, then the loop is a commutative Moufang loop. The correspondence between Bruck loops and  $\Gamma$ -loops uses a construction from Baer using nilpotent groups. We'll discuss some results and conjectures about the structure of the group and its corresponding  $\Gamma$ -loop. (Received August 16, 2016)