

THE RIORDAN GROUP – 2015

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The outline for this talk is as follows.

First we will survey of some recent main results and new applications. Among these new applications are connections with shift register sequences, Somos-4 sequences with elliptic curves, Fermat's theorem, Banach fixed points, the Double Riordan group, Lie Alebras, and the g - A equivalence.

Next we discuss pictures, ordered trees, subgroup structure, the $V = TL$ equation, and semidirect products.

We conclude by looking at future directions and some key open questions.