Construction of involutions in the Riordan group

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Knowing the involutions of a group is an important part to know the structure of that group. Shapiro in [8] asked about involutions in the Riordan group. Since then, some related works appeared in the literature. Up to my knowledge [1],[2],[3],[4],[6],[7]. In this talk I am going to show how to construct all involutions in each Riordan group of finite matrices. Then, by means of an inverse limit approach to the Riordan group, [5], we get all infinite ones. I will present some new subgroups and properties.

References

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