

# The Sheffer Group, Riordan Group and Generalized Stirling Number Pairs

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## **Abstract**

We discuss here the Sheffer group of all Sheffer-type polynomials and prove the isomorphism between the Sheffer group and the Riordan group. An equivalence of Riordan array pairs and generalized Stirling number pairs is also presented. Finally, we discuss a higher dimensional extension of Riordan array pairs and its application to the expansion of the multivariate entire functions in terms of multivariate Sheffer-type polynomials.