

**Sprugnoli, Renzo**

**Riordan arrays and the Abel-Gould identity.** (English) Zbl 0832.05007  
Discrete Math. 142, No. 1-3, 213-233 (1995).

Riordan arrays were introduced in [*L. V. Shapiro, S. Getu, W.-J. Woan and L. C. Woodson*, The Riordan group, Discrete Appl. Math. 34, No. 1-3, 229-239 (1991; [Zbl 0754.05010](#))] and further developed by the author of the present paper in a previous work [the author, Riordan arrays and combinatorial sums, Discrete Math. 132, No. 1-3, 267-290 (1994; [Zbl 0814.05003](#))]. Here the author uses the Lagrange inversion formula and his previous results to obtain a general formula from which the so-called Abel-Gould identity and many other identities, including some involving Stirling numbers of both kinds, fall out as special cases.

Reviewer: [T.R. Walsh \(Montreal\)](#)

**MSC:**

[05A19](#) Combinatorial identities, bijective combinatorics  
[05A15](#) Exact enumeration problems, generating functions

Cited in **1** Review  
Cited in **31** Documents

**Keywords:**

[generating functions](#); [Riordan arrays](#); [Lagrange inversion formula](#); [Abel- Gould identity](#); [Stirling numbers](#)

**Full Text:** [DOI](#)

**References:**

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