

1060.05012

Larcombe, Peter J.; Fennessey, Eric J.; Koepf, Wolfram A.; French, David R.

On Gould's identity No. 1. 45. (English)

Util. Math. 64, 19-24 (2003). [ISSN 0315-3681]

This brief note concerns new proofs of an identity from *H. W. Gould's* well-known book [Combinatorial identities (Morgantown) (1972; [Zbl 0241.05011](#))]. The first proof employs an integral and is inspired by a problem in reliability analysis. The second proof involves a recurrence relation. The note also includes a number of remarks about historical results and recent related work on the same identity.

Angèle Hamel (Waterloo)

Keywords : combinatorial identities

Classification :

*[05A19](#) Combinatorial identities

Cited in ...