**Andrews, George E.**  
**Compositions and Chebyshev polynomials.** (English) [Zbl 07456818]


A composition of an integer \( n \) is a representation of \( n \) as a sum of positive integers where the order of the summands is considered relevant. In this paper, the author provides some surprising connections between compositions and the Chebyshev polynomials \( T_n(x) \) and \( U_n(x) \).

For the entire collection see [Zbl 07372936].

Reviewer: Mircea Merca (Cornu de Jos)

**MSC:**

- 11P81 Elementary theory of partitions
- 11P84 Partition identities; identities of Rogers-Ramanujan type
- 05A17 Combinatorial aspects of partitions of integers

**Keywords:**

composition; partition; Chebyshev polynomials

**Full Text:** DOI

**References:**

5. Grimaldi, RP, Compositions with last summand odd, Ars Combin., 113A, 299-319 (2014) - Zbl 1324.05009

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