

**Luo, Qiu-Ming****Apostol-Euler polynomials of higher order and Gaussian hypergeometric functions.** (English)

Zbl 1189.11011

Taiwanese J. Math. 10, No. 4, 917-925 (2006).

The author defines the Apostol-Euler polynomials of higher order, and establishes some elementary properties of these polynomials. For example, the author obtains several explicit formulas involving the Gaussian hypergeometric functions and the Stirling numbers of the second kind.

Reviewer: [Hao Pan \(Nanjing\)](#)**MSC:**[11B68](#) Bernoulli and Euler numbers and polynomials[33C45](#) Orthogonal polynomials and functions of hypergeometric type (Jacobi, Laguerre, Hermite, Askey scheme, etc.)[11B73](#) Bell and Stirling numbersCited in **1** Review  
Cited in **73** Documents**Keywords:**

Apostol-Euler polynomials of higher order; Gaussian hypergeometric functions; Stirling numbers of the second kind

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