

Title: A note on the Apostol–Bernoulli and Apostol–Euler polynomials

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et $\alpha \in \mathbb{N}_0 = \{0, 1, 2, \dots\}$. In this paper, we show provide several relationships between the generalized Apostol–Bernoulli polynomials $B_n^{(\alpha)}(x; \lambda)$ and the generalized Apostol–Euler polynomials $E_n^{(\alpha)}(x; \lambda)$ which involve both the main results of LUO–SRIVASTAVA in [Q.-M. LUO and H. M. SRIVASTAVA, Some relationships between the Apostol–Bernoulli and Apostol–Euler polynomials, *Comput. Math. Appl.* **51** (2006), 631–642] and the main results of SRIVASTAVA–PINTÉR in [H. M. SRIVASTAVA and Á. PINTÉR, Remarks on some relationships between the Bernoulli and Euler polynomials, *Appl. Math. Lett.* **17** (4) (2004), 375–380] in the case of $\alpha \in \mathbb{N}_0$.

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