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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