
Zbl 734.11047**Erdős, Paul; Pomerance, Carl; Schmutz, Eric***Carmichael's lambda function.* (In English)**Acta Arith. 58, No.4, 363-385 (1991). [0065-1036]**

Let $\lambda(\cdot)$ be Carmichael's function, i.e. $\lambda(n)$ equals the l.c.m of the orders of primitive residues mod n . Using a more explicit representation via Euler's function the authors investigate the average order, normal order, and minimal order of λ . For example they show that for $x \geq 16$

$$\frac{1}{x} \sum_{n \leq x} \lambda(n) = \frac{x}{\log x} \exp\left\{\frac{B \log \log x}{\log \log \log x}(1 + o(1))\right\}$$

holds with some explicit constant B . Some other problems connected with Euler's function are discussed.

*T.Maxsein (Frankfurt / Main)***Classification:**

11N37 Asymptotic results on arithmetic functions

11A07 Congruences, etc.

11N45 Asymptotic results on counting functions for other structures

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