

**Note on a paper by Bordellès, Dai, Heyman,  
Pan and Shparlinski, 3**

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**Abstract.** Denote by  $[t]$  the integral part of  $t$ . Under some simple hypothesis on the growth of arithmetic function  $f$ , we prove asymptotic formulas for

$$S_f(x) := \sum_{n \leq x} f\left(\left[\frac{x}{n}\right]\right)$$

as  $x \rightarrow \infty$  and give some applications. These improve or generalize some recent results of Zhao and Wu.

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