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A number-theoretic property of finite groups.

Pioneer J. Algebra Number Theory Appl. 1, No. 2, 73-78 (2011).

Summary: If G is a finite group, let the signature of G , denoted by $\sigma(G)$, denote the sum of the orders of all elements of G . We derive some properties of $\sigma(G)$.

Classification: H45 F65

Keywords: finite groups; Lagrange theorem; orders of elements; Euler totient function; multiplicative functions

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