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On a conjecture of Erdős

In a written communication to Livingston, Paul Erdős proposed the following conjecture:

If N is a positive integer and f is an arithmetic function with period N and $f(n) \in \{-1, 1\}$ when $n = 1, 2, \ldots, N-1$ and $f(n) = 0$ whenever $n \equiv 0 \bmod N$ then $\sum_{n \geq 1} \frac{f(n)}{n} \neq 0$.

We describe the literature around this conjecture, and mention some new results. This is an ongoing joint work with Ram Murty and Siddhi Pathak.