

# Approximations by signed harmonic sums

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## Abstract

In a joint work with Giuseppe Molteni and Carlo Sanna, we study how well rationals can be approximated by sums of the forms

$$\sum_{n \leq N} \pm \frac{1}{n}$$

for suitable choices of the signs.

## References

- [1] B., Molteni, Sanna, *Greedy approximations by signed harmonic sums and the Thue–Morse sequence*, <https://arxiv.org/abs/1805.00075>