

Journal of Number Theory (JNT)
Manuscript Revision (April 2021)

New characterizations of the summatory function of the Möbius function

Dear editors and reviewers,

I have done my best to edit and correct all previous typographical errors that now indicate what I must surely have meant in the first submission. Please know that I am open to detailed feedback and suggestions by the referee moving forward if I have still missed any corrections in making these changes to my original manuscript.

I have also been communicating with Gergő Nemes from the Alfréd Rényi Institute of Mathematics online for the past few months. He has helped me to pin down, carefully polish and more rigorously prove some lemmas (in the appendix section) that provide necessary asymptotics for certain sums in my proofs used in the body of the article. He is satisfied with the writeup, with the way I have given him credit for that expertise communicated in the article, and with the new citations to his original research articles needed to establish these results.

Thank you to the editors, and to the anonymous referee, for the encouragement I received in getting quick feedback about the initial form of the manuscript several months ago. I respect your time very much and I hope that the revised manuscript attached to this submission is satisfactory to the referee.

I have been in communication with the editor over email to ensure that this revision of the article will still be considered within the stated time deadlines.

Sincerely,

Maxie Dion Schmidt
Ph.D. Candidate, Georgia Institute of Technology, 2022