Title: On a quantitative form of Wirsing's mean-value theorem for multiplicative functions

Author(s): Karl-Heinz Indlekofer

In this paper, the author applies the convolution arithmetic to the investigation of the summatory function of arithmetical functions. Mean value theorems with remainder term estimation are proved for real-valued multiplicative functions of modulus≤ 1.

Address:
Karl-Heinz Indlekofer
Faculty of Computer Science
Electrical Engineering and Mathematics
University of Paderborn
Warburger Strasse 100, 33098 Paderborn
Germany