

J. Mashreghi, **A new proof of Levy's theorem**, *Ital. J. Pure Appl. Math.*, No. 12 (2002), 113–117 (2003).

**Abstract**

It is known that if a continuous function  $f$  defined on the unit circle  $\mathbf{T}$  has absolutely summable Fourier coefficients, and  $h$  is analytic in a neighborhood of  $f(\mathbf{T})$ , then  $h \circ f$  has also absolutely summable Fourier coefficients. Here, we use the power series representation of analytic functions to give a new proof of this result due to Levy.