Mathematical Analysis/Harmonic Analysis


Semyon Yakubovich

Department of Mathematics, Faculty of Sciences, University of Porto, rua Campo Alegre, 687, 4169-007 Porto, Portugal

A R T I C L E I N F O

Article history:
Received 19 January 2012
Accepted 19 January 2012
Available online 28 January 2012

Recently I have published this Note, where I have answered to Salem’s question basing on the asymptotic formula for the Kontorovich–Lebedev transform established by D. Naylor, in:


Unfortunately, checking the proof of Naylor’s formula (1.9) I found a gap on p. 260, which means that it is not clear whether this formula is true for extreme value of a parameter gamma \( \pi/2 \) assuming only continuity of a function.

This means that Salem’s question is still open and I am working on an alternative solution to this problem.

I would appreciate an opportunity to inform the mathematical community about this fact, publishing the present Letter.

Thanking you in advance.

DOI of original article: 10.1016/j.crma.2011.04.004.
E-mail address: syakubov@fc.up.pt.