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Mathematical Analysis/Harmonic Analysis

Corrigendum to the Note “The Fourier–Stieltjes transform of Minkowski’s  $\gamma(x)$  function and an affirmative answer to Salem’s problem”  
[C. R. Acad. Sci. Paris, Ser. I 349 (11–12) (2011) 633–636]

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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:

D. Naylor, On an asymptotic expansion of the Kontorovich–Lebedev transform, *Applicable Analysis* 39 (1990) 249–263.

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.

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