

REMARKS AND ERRATA ON THE PAPER
“UNIFORM CONVERGENCE OF SOME TRIGONOMETRICAL SERIES”
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Theorem 5 in this paper is trivial when $0 < \beta \leq 1$ and is true even when the condition (I. 1), is dropped. Further we may prove that the series $\sum_{\nu=1}^{\infty} a_{\nu}$ is summable $(R, 1)$, (R_1) and $(K, 1)$ respectively, provided that

$$t_n^{\beta} \equiv \sum_{\nu=1}^n A_{n-\nu}^{\beta-1} \nu a_{\nu} = O(n^{\beta} \lambda_n),$$

where $0 < \beta \leq 1$ and $\sum \lambda_n/n$, $\lambda_n > 0$, is convergent. Since this condition implies the summability $|C, 1|$ of the series $\sum_{\nu=1}^{\infty} a_{\nu}$. For $(R, 1)$ case, the proposition is proved in Obreschkoff's paper: Math. Zeits., vol. 48(1942~1943), i. e. summability $|C, 1|$ implies summability $(R, 1)$. Further we may prove that summability $|C, 1|$ implies summability (R_1) . Then, by Izumi's Theorem in this Journal, vol. 1(1950), we have the result for $(K, 1)$ case. But the problem whether the above result is true for $\beta > 1$ remains unsolved.

In this occasion, we give the table of errata on the paper.

page	column	for	read
164	4	thus. from:	Thus, from
164	13 ↑	$(-1)^{k+1}$	$(-1)^k$
164	12 ↑	$(-1)^{k+1}$	$(-1)^k$
164	4 ↑	$M^{((1-\alpha)(\beta-\nu)+\alpha\beta\nu)/\beta\alpha\nu-1}$	$M^{((1-\alpha)(\beta-\nu)+\alpha\beta\nu)/\beta\alpha\nu-1}$
164	1 ↑	$(-1)^{\nu-n} \binom{\beta-\gamma}{\nu-n} t_n$	$(-1)^{\nu-n} \binom{\beta-\gamma}{\nu-n} t_n^{\beta}$
165	7	$(-1)^{\frac{\gamma}{2}+1}$	$(-1)^{\frac{\gamma}{2}}$
165	8	"	"
165	9	"	"
166	4 ↑	$o(\dots)$	$o(\dots)$
167	1 ↑	$\sum_{\nu=p-n-1}^{\infty}$	$\sum_{\nu=q-n-1}^{\infty}$
168	7	$\sum_{\nu=p/2+1}^{\infty}$	$\sum_{\nu=p/2+1}^{\infty}$
168	11 ↑	n^{α}	$n^{\beta\alpha}$
169	4	$\sum_{\nu=1}^{\gamma} t_{p-\nu-1}^{\nu} \Delta_{p-\nu-1}^{\nu-1} - \sum_{\nu=1}^{\gamma} t_{q-\nu-2}^{\nu} \Delta_{q-\nu-1}^{\nu-1}$	

			$- \sum_{\nu=1}^{\gamma} t_{q-\nu-1}^{\nu} \Delta_{t-\nu-1}^{\nu-1} + \sum_{\nu=1}^{\gamma} t_{p-\nu-1}^{\nu} \Delta_{p-\nu-1}^{\nu-1}$
170	6	2^{2k}	$(-1)^k 2^{2k}$
170	7	2^{2k+1}	$(-1)^{k+1} 2^{2k+1}$
171	4	we have	deleted
171	9	ns^1	ns_n^1
172	6	$\sum_{\nu=0}^{\infty}$	$\sum_{\nu=1}^{\infty}$
172	7	$\sum_1^{\nu} \frac{a_{\nu}}{\nu}$	$\sum_1^{\nu} a_{\nu}$
172	17	to zero	to the sum $\sum_1^{\infty} a_{\nu}$
172	2 ↑	(in the press).	(unpublished)
172	1 ↑	(in the press).	(unpublished)
173	3	Two thoerems	Two theorems