CORRECTION: “MAPPINGS AND SPACES”

TAKESI ISIWATA
\[ (4) \ \left\{ \frac{n}{2} \frac{\Gamma^2 \left( \frac{n}{2} \right)}{\Gamma \left( \frac{n+1}{2} \right)} - 1 \right\} > \frac{\sigma^2}{2n} \frac{4n + 9}{4n + 8}, \]

for \( n = 1, 2, \ldots \).

For \( n = 2m \), (4) may be written as:

\[ (5) \ \frac{\Gamma^2 (m + 1)}{\Gamma^2 \left( m + \frac{1}{2} \right)} > m + \frac{1}{4} + \frac{1}{32m + 32} \]

for \( m = 1, 2, \ldots \).

and for \( n = 2m + 1 \), (4) may be written as:

\[ (6) \ \frac{\Gamma^2 (m + 1)}{\Gamma^2 \left( m + \frac{1}{2} \right)} < \frac{\left( m + \frac{1}{2} \right)^2}{m + \frac{3}{4} + \frac{1}{32m + 48}} \]

for \( m = 1, 2, \ldots \).

Thus (5) and (6) taken together prove

\[ (7) \ \left\{ m + \frac{1}{4} + \frac{1}{32m + 32} \right\}^{1/2} < \frac{\Gamma (m + 1)}{\Gamma \left( m + \frac{1}{2} \right)} < \left\{ m + \frac{3}{4} + \frac{1}{32m + 48} \right\}^{1/2}, \]

which also agrees with the result of Boyd [1]. Equation (3) of [2] has to be replaced by equation (7) of this note.

**REFERENCES**


**Correction to**

**MAPPINGS AND SPACES**

**TAKESI ISIWATA**

Volume 20 (1967), 455-480

\( (A \rightarrow B: A \text{ should read } B) \)

p. 459 line 26 in containing \( y_n \) containing \( y_n \) in
Note Added in Proof. In the fifth line of the proof of the Lemma, in place of requiring that $1 \leq q \leq p \leq k$, we should have stipulated that $1 < q \leq p$ and $q \leq k$. In the statement of Theorem 1, the parenthetical remark should be deleted. Finally, in the fourth line of the proof of this theorem, a better reference is Corollary 4.1.2 on p. 101 of Hörmander.

The university affiliations of the three authors are as follows:

Mann—University of Wisconsin and The Mathematics Research Center, Mitchell—The Pennsylvania State University, Schoenfeld—The Pennsylvania State University.

Correction to

AN INTEGRAL INEQUALITY WITH APPLICATIONS TO THE DIRICHLET PROBLEM

JAMES CALVERT

Volume 22 (1967), 19–29

Theorem 1.1 is incorrect as stated. It is correct if the functions $a_{ik}, f_i(i = 1, \cdots, n)$ are real or the function $u$ is real. I am indebted to Professor R. K. Juberg for pointing this out.
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Subscriptions, orders for back numbers, and changes of address should be sent to Pacific Journal of Mathematics, 103 Highland Boulevard, Berkeley 8, California.

Printed at Kokusai Bunken Insatsusha (International Academic Printing Co., Ltd.), 7-17, Fujimi 2-chome, Chiyoda-ku, Tokyo, Japan.

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