

CORRECTION TO MY PAPER :
“ON AHLFORS’ DISCS THEOREM AND ITS APPLICATION”
THIS JOURNAL, VOL. 8 (1956), 101-107.

KAZUO IKOMA

(Received March 1, 1957)

A correction should be made for the proof of Lemma 2 in my paper mentioned in the title, because the cut made on $|z| < r^*$ and one on D_w in that proof do not necessarily correspond each other.

Hence, instead of the sentence from line 15 to 17 on p. 102, we must insert the following statement: “Let C_w be the part of the negative axis lying on D_w , and C_z be the inverse image of C_w by $w = \varphi(z)$, then C_z is a Jordan arc on $|z| < r^*$ which starts from $z = 0$ and reaches to a point on $|z| = r^*$. We map $|z| < r^*$ cut along C_z conformally on the strip domain S by $s = \log z$, and map D_w cut along C_w conformally on the parallel strip domain T by $t = \log w$.”

The other part of proof of Lemma 2 holds valid as it is.

We notice of an erratum; p.102. line 1 from below, instead of

$$\text{“} \int_{\log r}^{\log r^*} \frac{dr}{rq(r)} \text{” read “} \int_r^{r^*} \frac{dr}{rq(r)} \text{.”}$$

DEPARTMENT OF MATHEMATICS, FACULTY OF LIBERAL ARTS AND SCIENCE,
YAMAGATA UNIVERSITY.