

Correction List of “Basic Oka Theory in Several Complex Variables”

Junjiro Noguchi

In the following numbered list, the first number “p. xx” is the page number; the second “+yy” is the line number from above (the number with minus sign means the line number from the bottom), and :“A $\Rightarrow$ B” means that text A is corrected to text B.

- 1) p. 42, +8: $\mathcal{F} \Rightarrow \mathcal{R}$
- 2) p. 82, +7: $\text{order } j_\nu \Rightarrow \text{order} \geq j_\nu$
- 3) p. 82, +8: $|\alpha| \leq j_\nu \Rightarrow |\alpha| < j_\nu$
- 4) p. 84, +10: polyhedron $\Rightarrow$ polyhedron defined by (3.3.2)
- 5) p. 84, +10: the closure $\bar{P} \Rightarrow \bar{P}' := \{z \in P : |\varphi_j(z)| \leq \rho'_j, \forall j\}$ with $0 < \rho'_j < \rho_j$
In what follows: $\bar{P} \Rightarrow \bar{P}'$
- 6) p. 84, +13: Let $P \dots$ (3.3.2). $\Rightarrow$ delete
- 7) p. 86, -14: $\widehat{P}_{2\Omega_2} \Rightarrow$ delete
- 8) p. 86, -14: $= \bar{P}_2 \Rightarrow P_2$
- 9) p. 94, +150: $\bar{P} \Rightarrow \widehat{P} := \widehat{P}_D$
In what follows: $\bar{P} \Rightarrow \widehat{P}$
- 10) p. 94, +18: We assume $\Rightarrow$ Increasing the functions of φ more if necessary, we may assume
- 11) p. 96, -1: $\bar{P}_\mu \Rightarrow \widehat{P}_\mu := \widehat{P}_{\mu D}$
In what follows: $\bar{P}_\mu \Rightarrow \widehat{P}_\mu$
- 12) p. 129, -0 (addition): 17. Let $\Omega \subset \mathbf{C}^n$ be a domain of holomorphy, and let $K \Subset \Omega$ be a connected compact set.
(a) Show that $\widehat{K}_\Omega$ is connected.
(b) Show that the same holds for a Stein domain over $\mathbf{C}^n$.

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