

Correction to: "Some theorems of algebraicity for complex spaces"

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On p. 168 of the above paper, in definition 1.1(d), we define the complex Hessian of a smooth function on a complex space. Our assertion that this concept is independent of the extension of the function is false, as has been shown to us by K. Fritzsche. It would suffice to require only the existence of such an extension, but this would involve extensive modification of subsequent proofs. It does suffice however, to replace our definition by that of Fritzsche (Definition 2.1, p. 256 of [1]) and then our arguments go through as they stand, subject to the understanding that we are always dealing with concepts as defined by Fritzsche. We should also point out that our Lemma 1.9 has already appeared (correctly) as Satz 3.3, p. 275 of [2]; see also Satz 2.3, p. 257 of [1].

References

- [1] K. Fritzsche, q -konvexe Restmengen in kompakten komplexen Mannigfaltigkeiten, Math. Ann., 221 (1976), 251-273.
- [2] R. Richberg, Stetige streng pseudokonvex Funktionen, Math. Ann., 175 (1968), 257-286.

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