Correction to “On specialization of curves, II”

By

A. NOBILE

The statement of Lemma (1.5) of my above-mentioned paper, appeared in Arch. Math. 46, 279–288 (1986), is false, and it remains so even if we assume D connected and F smooth. Consequently, the proof of Theorem (1.2) presented in the paper is incorrect. However, the result is true. In fact, the method of proof of the paper shows that it suffices to prove (1.2.1) when T is a smooth curve and X is normal; in this case the inequality follows from recent results of M. Matignon (in “Genre et genre résiduel des corps de fonctions valuées”, to appear). It is also possible to give a short, geometric proof of Theorem (1.2) (without any Cohen-Macaulay assumptions) based on the use of the semi-stable reduction theorem. Such a proof will be submitted soon.

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