"Point-Counting and the Zilber–Pink Conjecture" by J. Pila

Errata

[e] Page viii, line 2: Should be Chapters 23 and 24 (not 16 and 17).

[e] p 10, Lemma 2.4 is stated incorrectly: $\phi_i^{(j-1)}(\xi_{ij})$ should be divided by $(j-1)!$

[e] p16 the dimension-growth conjecture should specify X is integral and of degree $d \geq 2$. See: Salberger: Counting rational points on projective varieties, JLMS to appear, and Castryck-Cluckers-Dittmann-Huu Nguyen, ANT [123] already referenced.

[e] p 20, -4: stray end-of-proof symbol should be removed

[e] p 21. Definition of Euler function at 3.5: "-" sign instead of "=" sign.

[e] p 54, +11 "deducee"

[e] p64, 7.7.1 remove ", structure" from "An $\mathcal{L}'$-structure, structure $\mathcal{A}'$"

[e] p 66, Example 7.10, second display: z should be replaced by by w.

[e] p71, -1, -2: too many appearances of 'for example'. Remove the one at line -1.

[e] p 77. Theorem 8.25, line 2: add "Q" to get "...and a real polynomial Q in $2n + 2m$ variables..."

[e] p 83, line. Remove one of the two occurences of "time".

[e] p 88. In Definition 9.11.1, $\mathbb{R}^{\mathrm{alg}}$ should be $\mathbb{R}_{\mathrm{alg}}$

[e] p 88. Around the discussion of "underalgebraic cells", and before the statement of Theorem 9.14, it should be observed that a positive under-algebraic cell $U \subset Z$ is a subset of Z^{alg}, since at every point $P \in U$ there is a small disc D centred at P such that $D \cap U$ is semi-algebraic, connected, positive, dimensional. Further, 9.11.2 could be made more precise: Y should be semi-algebraic family of semi-algebraic cells?

[e] p 140, -7 "Moreover..." $E^{(i)}$ should be over $\overline{\mathbb{Q}}$

[e] p 177, -6 "get" should be "gets" or "proves"

[e] p 196. Display number 2: the interval should be (-1,1)

[e] p 207, line 10, "$A \subset W_y \backslash W_y'$" should be "$A \subset W_p \backslash W_p'$"

[e] p 207, line 11, "$\dim W_p' < \dim W_p$" should be "$\dim (W_p - W_p') < \dim W_p$"

[e] p 214. References [1] and [2] are in the wrong order.

[e] p 240. References [555, 556, 557, 558] (added very late) should be moved to correct placement.

Acknowledgements for errata