## CORRECTION

## ON THE AVERAGE NUMBER OF REAL ROOTS OF A RANDOM ALGEBRAIC EQUATION

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In the course of proving that  $EN(0,1) \sim (2\pi)^{-1}\log(n/K_n^2)$ , it was implicitly assumed [e.g., in inequalities (2.11), (2.15), (2.16)] that  $\{K_n\}$  was bounded away from zero. This assumption should therefore be included for that part of the theorem. [We can in fact show that if this assumption is omitted and  $\{K_n\}$  is bounded above, then the conclusion is changed to  $EN(0,1) \sim (2\pi)^{-1}\log n$ , i.e., the formula proved by Kac when  $K_n \equiv 0$ .]

Other minor corrections are:

- 1. In its definition and (2.6),  $\beta$  should be  $\sum_{i=0}^{n-1} i^2 x^{2i-2}$ .
- 2.  $\beta/\Delta$  in (2.14) is  $(1-x^2)(1-x^{2n})\{(1-x^{2n})^2-\cdots\}\cdots$
- 3. The right-hand integral 3 lines from the bottom of page 706 should be  $\int_0^1$  rather than  $\int_1^{\infty}$ .
- 4.  $\log n$  should be replaced by  $\log(n/K_n^2)$  3 lines below (2.17).
- 5. In the abstract,  $O(\sqrt{n})$  should be  $o(\sqrt{n})$ .

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