# Corrigendum: Upper Bounds for Prime Gaps Related to Firoozbakht's Conjecture 

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## 1 Corrigendum

The proof of Theorem 3 in $[\mathrm{K}]$, as well as subsequent discussion, should reflect the true range of applicability of Eq. (11), necessitating the following changes (see [A]):
In inequality (11), replace " $x \geq 5.43$ " with " $x \geq 2634800823$ "
Remove "Let $k>9$." after inequality (11).
In inequalities (12) and (13), remove "for $p_{k} \geq 29$ ".
Replace the last two sentences of the proof of Theorem 3 with
Now, exponentiation with base $p_{k}$ yields (1) for $p_{k} \geq 2634800823$. This completes the proof since for $p_{k} \in[29,2634800823]$ both (1) and (10) hold unconditionally.

In the 2nd display formula on p. 5 , replace " $x \geq 5.43$ " with " $x \geq 2634800823$ ".
These changes have been incorporated in the arxiv paper arXiv:1506.03042v4.

## References

[K] A. Kourbatov, Upper bounds for prime gaps related to Firoozbakht's conjecture, Journal of Integer Sequences, 18 (2015), Article 15.11.2.
[A] C. Axler, Corrigendum to "New bounds for the prime counting function", Integers 16 (2016), A22, 15 pp. http://math.colgate.edu/~integers/vol16.html

