

**Erratum: Radion stability and induced, on-brane geometries
in an effective scalar-tensor theory of gravity
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The following corrections apply to Ref. [1]:

- (1) Page 123509-5, first column, third line from bottom: “Thus, if $C_1 > 4B'...$ ” should read “Thus, if $C_1^2 > 4B'...$ ”.
- (2) Page 123509-6, second column, the line following Eq. (50): “...which implies the existence of a black hole horizon...” should read “...which implies the existence of a naked singularity...”.
- (3) Page 123509-7, first column, line 8 following Eq. (59): “... leads to a naked singularity...” should read “... leads to an extremal Reissner-Nordstrom black hole...”.
- (4) Page 123509-7, first column, Eq. (60): The denominator factor r^4 should be r^3 .
- (5) Page 123509-7, Eq. (61): This equation should be $r = r' - M$, $C_1 = -M$. For $C_1 = M$, we have $r = r' + M$, and the M in the line element in (62) should be replaced by $-M$ ”.

None of the analyses or conclusions in the paper are changed by the above-mentioned corrections.

- [1] S. Kar, S. Lahiri, and S. SenGupta, Radion stability and induced, on-brane geometries in an effective scalar-tensor theory of gravity, *Phys. Rev. D* **88**, 123509, (2013).