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ERRATUM TO "IMPROBABILITY OF COLLISIONS IN NEWTONIAN GRAVITATIONAL SYSTEMS"

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In §3 of [1] the second line of the proof should read "... collision point is in an arbitrary but fixed unit cube in the three dimensional subspace $r_1 = r_2 = \cdots = r_k$." The exponent for the $(2^{-\alpha})$ term of (1) should be $0.9k-2$ and it should be $0.9k-3$ for (2). The remainder of the analysis holds for $k \geqq 4$.

The cases $k=2, 3$ follow with the same basic ideas used in [1], however sharper estimates are needed on the velocities. These details will appear at a later date.

The corollary should read: *In the inverse p force law, $p>1$, the set of initial conditions leading to a k-fold collision has measure zero if $9k > 7+p(3k+1)$.*

REFERENCE

1. D. G. Saari, *Improbability of collisions in Newtonian gravitational systems*, Trans. Amer. Math. Soc. **162** (1971), 267–271.

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