## ERRATA

## Erratum: Temperature dependence of superconductor-correlated metal-superconductor Josephson junctions [Appl. Phys. Lett. 82, 970 (2003)]

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An error was discovered in the numerical code that calculated the normal state resistance, leading to a density of states that was not converged at small energy and to a subsequent error in the low-temperature resistance calculations. We have corrected the error, which greatly reduces  $R_n$  (at low temperature) and hence  $I_cR_n$  for the correlated metal/insulator barriers with moderate thickness. The revised data is shown in the corrected Fig. 1(b). At low temperature  $(T \approx T_c/11)$  and in the metallic phase, we see  $I_cR_n$  lies below the Ambegaokar–Baratoff limit and decreases as the correlations increase, until the system hits a metal-insulator transition (at  $U_{FK} \approx 5.5t$ ), where the slope of the characteristic voltage changes sign to positive.  $I_cR_n$  continues to increase as correlations increase with a maximal value close to the Ambegaokar–Baratoff prediction and above the single-plane tunnel junction result. As we increase the temperature to  $T \approx T_c/2$ , we see the characteristic voltage is decreased but still remains optimized in the insulating phase.

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FIG. 1. Corrected figure-of-merit  $I_c R_n$  [normalized by  $\Delta(0)/e$ ] for (b) a moderate (N=5) barrier at  $T \approx T_c/11$  and  $T \approx T_c/2$  as a function of the Coulomb interaction  $U_{FK}$ . The open symbols (and solid line) depict the low-temperature ( $T \approx T_c/11$ ) results and the solid symbols (and dashed line) depict the higher-temperature ( $T \approx T_c/2$ ) results. The dotted line is the T=0 Ambegaokar–Baratoff prediction. In the five-plane case, the figure-of-merit is enhanced on the insulating side of the metal-insulator transition.