

**Erratum: Fermiology of cuprates from first principles: From small pockets to the Luttinger Fermi surface [Phys. Rev. B **78**, 165107 (2008)]**L. Hozoi, M. S. Laad, and P. Fulde  
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We want to comment on the interpretation of one of our computational results. The renormalized matrix element  $t$  in Table I applies to the case of an antiferromagnetic (AF) correlation length of the order of the size of the cluster in Fig. 2. Thus Fig. 4(a) corresponds to a sizeable hole doping. On the other hand, for one hole on a square AF lattice, the nearest-neighbor hopping  $t$  is renormalized to zero. Therefore for no doping and long-range AF order the dispersion of the lowest electron-removal state is mainly controlled by the renormalized third order hopping  $t''$  (for the renormalized matrix elements,  $t' \ll t''$ , see Table I) and the hole pockets are at  $(\pi/2, \pi/2)$ . While this does not affect the regime of moderate hole doping discussed in our article, it is worthwhile pointing out that for no doping the maximum in the dispersion of the Zhang-Rice-like quasiparticle band, see Fig. 3 and Fig. 4(a), will be located at  $(\pi/2, \pi/2)$ .