The role of off-plane oxygens in the enhancement of the pairing interaction in Cu-O clusters

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The role of off-plane oxygens in the enhancement of the pairing interaction in Cu–O clusters by D G Kanhere, V Sundararajan and P V Panat (*J. Phys.: Condens. Matter* 1989 **1** 9051–9055)

After the publication of this paper we detected an error in our program, as a result of which the main conclusion about the influence of the off-plane oxygens on the two-hole binding does not stand. In fact, no two-hole binding is observed for the range of parameters reported in the paper. The corrected versions of table 1 and figure 2 are given below.

Table 1. Values of Δ for different values of U'_p for an 11-site cluster in units of t.

V	U'_p	ΔE(1 h)	ΔE(2 h)	Δ
0	0.0	−4.3868	−8.3174	0.4562
	0.5	−4.3906	−8.3252	0.4560
	1.0	−4.3955	−8.3354	0.4556
	1.5	−4.4021	−8.3496	0.4546
	2.0	−4.4114	−8.3702	0.4526
2	0.0	−16.5735	−32.9086	0.2384
	0.5	−16.5737	−32.9090	0.2385
	1.0	−16.5739	−32.9093	0.2385
	1.5	−16.5741	−32.9097	0.2385
	2.0	−16.5743	−32.9101	0.2385

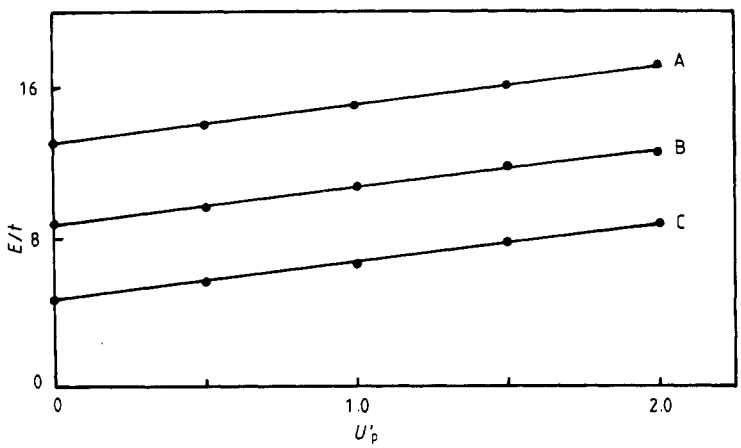

Figure 2. Total energy as a function of U for an 11-site cluster. Other parameters are: $V = 0$, $t' = 0.2$, $E_d = 0$. A, reference state; B, one-hole state; C, two-hole state.

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