# Erratum: Spectral moment sum rules for strongly correlated electrons in time-dependent electric fields [Phys. Rev. B **73**, 075108 (2006)]

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We discovered an error in the first term of Eqs. (29) and (32) of the original manuscript. Although the results for the second local retarded moment are completely general, we actually explicitly evaluated the first term for the infinite-dimensional hypercubic lattice case. The corrected formulas should read as follows:

$$\tilde{\mu}_2^R(T) = \langle \epsilon^2 \rangle + \mu^2 - 2U\mu n_f + U^2 n_f \tag{29}$$

$$\tilde{\mu}_2^R(T) = \langle \epsilon^2 \rangle + \frac{U^2}{4}, \tag{32}$$

where $\langle \epsilon^2 \rangle = \Sigma_{\mathbf{k}} \epsilon^2(\mathbf{k})$. The second moment of the noninteracting DOS is easy to determine for a wide class of lattices. We find $\langle \epsilon^2 \rangle$ to satisfy $2dt^2$ (for a $d$-dimensional hypercubic lattice with nearest-neighbor hopping $t$), $\frac{t^{*2}}{2}$ (for the $d=\infty$ hypercubic lattice with $t=t^*/2\sqrt{d}$), and $t^{*2}$ (for the infinite coordination Bethe lattice).

These corrections do not affect the numerical results or any conclusions of the paper. The numerical results were determined for the case of the infinite dimensional hypercubic lattice, where the term in the second retarded moment is equal to $1/2$ in units where $t^*=1$.