

## Surface relaxation in crystals with spatial dispersion

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## ERRATUM

**Surface relaxation in crystals with spatial dispersion** by P Zieliński (*J. Phys.: Condens. Matter* 1990 2 857–868)

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The last line of equation (1) should read

$$= \frac{1}{2} \sum_{l=-\infty}^{\infty} \sum_{l'=-M+1}^{l+M-1} x^\dagger(l) \mathbf{H}(l, l') x(l') \quad (1)$$

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Equation (15) should read

$$g(l, l') = \frac{1}{\beta_2} \frac{z_1^{|l-l'+1|}}{z_1^2 - 1} - \left( \frac{z_1 + 1 - \varepsilon}{1 + (1 - \varepsilon)z_1} \right) \frac{z_1^{l+l'}}{\beta_2(z_1^2 - 1)}$$

$$- \frac{(z_1 + 1 - \varepsilon)z_1^{2L+1}}{\beta_2(z_1^2 - 1)\{[1 + (1 - \varepsilon)z_1]^2 - z_1^{2L}(z_1 + 1 - \varepsilon)^2\}}$$

$$\times \left\{ [1 + (1 - \varepsilon)z_1] \left[ \left( \frac{z_1 + 1 - \varepsilon}{1 + (1 - \varepsilon)z_1} \right)^2 z_1^{l+l'-1} + z_1^{-l-l'} \right] \right.$$

$$\left. - (z_1 + 1 - \varepsilon)(z_1^{l-l'} + z_1^{l'-l}) \right\}$$