

Bloch-like states in a 1D Fibonacci chain

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ERRATUM

Bloch-like states in a 1D Fibonacci chain by G Ananthakrishna (*J. Phys.: Condens. Matter* 1990 **2** 1344–1347)

Equation (3) should have the initial wave functions

$$\begin{pmatrix} \psi_0 \\ \psi_{-1} \end{pmatrix}$$

instead of

$$\begin{pmatrix} \psi_1 \\ \psi_0 \end{pmatrix}.$$

Equations (4a, b) have $(-1)^k$ missing.

The summation in equation (6) which reads $p_\gamma(\text{odd})$ should read p_γ . The next sentence should read ‘. . . has the same value at the γ -sites’. instead of ‘. . . has the same value at the odd γ -sites’.

Equations (10a, b) should read

$$\Psi_s(k, p) = (-1)^k [\sin(4p + 1)\theta/2]/F_{r+1}^{1/2} \quad (10a)$$

$$\Psi_{s-1}(k, p) = -(-1)^k [\sin(4p - 1)\theta/2]/F_{r+1}^{1/2} \quad (10b)$$

The scaling relation of $\chi_r(q)$ below equation (11) on page 1346 should read

$$\chi_r(q) \sim l^{\tau_r(q)} \sim F_r^{-\tau_r(q)} \sim \omega^{-\tau_r(q)}$$