

Difference Equations by Differential Equation Methods

Errata

Page 81

The third displayed expression from the bottom of the page should be

$$r_1 = r, \quad s_1 - s = -r.$$

Page 132

The two sentences immediately after (4.45) should be as follows.

‘The translation $(n, u) \mapsto (n + 1, u)$ maps $D^+ = \mathbb{Z}$ to itself. The fibre representative is $(n, u) \mapsto (n, u_{-1})$; this maps the OΔE to

$$u_1 + \alpha u + \beta u_{-1} = 0, \quad n \in \mathbb{Z},$$

which amounts to (4.45).’

Page 132

The text immediately before the last displayed expression on this page should be as follows.

‘The fibre representative of the reflection $(n, u) \mapsto (-n, u)$ transforms $u(n + i)$ to $u(-n - i)$; up to a translation, the transformed OΔE is’

Page 151

In Equation (5.46), $\mathbf{J} \in \mathbb{Z}^2$ should be $\mathbf{J} \in \mathbb{Z}^N$.

Page 158

In the last sentence of Lemma 5.21, Q_p should be Q_k .

Page 181

In the penultimate equation, η_j^α in the first sum should be η^α .

Page 187

In the penultimate equation, the second $g_{1,0}$ should be $g_{0,1}$.

Page 190

The equation immediately after (6.77) should be

$$\mathcal{C} = (S_m - I)(-g^1 \lambda_{-1,0}) + (S_n - I)(-g^2 \lambda_{0,-1}),$$