

Errata

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Changes appear in yellow. Line $k+$ (resp., line $k-$) denotes the k th line from the top (resp., the bottom) of a page.

CHAPTER 1

Page 58. Equation (1.135) is superfluous. Originally, it was intended to write $b(n)$ in (1.132) as

$$b(n) = \Lambda_0 - \sum_{j=1}^p c_j(p) \frac{\partial}{\partial w_j} \ln \left(\frac{\theta(\underline{A} + \underline{B}n + \underline{w})}{\theta(\underline{A} - \underline{B} + \underline{B}n + \underline{w})} \right) \Big|_{\underline{w}=0}, \quad (1.132)$$

with

$$\Lambda_0 = \frac{1}{2} \sum_{m=0}^{2p+1} E_m - \sum_{j=1}^p \lambda_j. \quad (1.135)$$

Page 87. Equation (1.217) must read:

$$\psi(P, n, n_0, t_r, t_{0,r}) = \psi(P, n, n_0, \underline{t_r}, \underline{t_r}) \psi(P, n_0, n_0, t_r, t_{0,r})$$

Page 99. Replace $a(n)^2$ in line 7– by $a(n, \underline{t_r})^2$ and $b(n)$ in line 6– by $b(n, \underline{t_r})$.

Page 99. A correction analogous to that in equation (1.135) on page 58 applies: Line 1– is superfluous. Originally, it was intended to write $b(n, t_r)$ in line 5– and 6– as

$$b(n, t_r) = \Lambda_0 - \sum_{j=1}^p c_j(p) \frac{\partial}{\partial w_j} \ln \left(\frac{\theta(\underline{A} + \underline{B}n + \underline{C_r}t_r + \underline{w})}{\theta(\underline{A} - \underline{B} + \underline{B}n + \underline{C_r}t_r + \underline{w})} \right) \Big|_{\underline{w}=0},$$

with

$$\Lambda_0 = \frac{1}{2} \sum_{m=0}^{2p+1} E_m - \sum_{j=1}^p \lambda_j.$$

CHAPTER 3

Page 194. Equation (3.38) should read:

$$\hat{f}_{\ell,\pm}(\alpha, \beta) = \hat{h}_{\ell,\mp}(\beta, \alpha), \quad \hat{g}_{\ell,\pm}(\alpha, \beta) = \hat{g}_{\ell,\mp}(\beta, \alpha), \quad \ell \in \mathbb{N}_0. \quad (3.38)$$

Page 228. The last line of the displayed formula in the middle of the page should read:

$$= \frac{F_{\underline{p}}}{F_{\underline{p}}^-} \left(1 + \frac{\alpha H_{\underline{p}}}{(c_{0,+}/2)z^{-p_-}y + G_{\underline{p}}} \right) \stackrel{P \rightarrow \hat{\mu}_j}{=} \frac{F_{\underline{p}}(\underline{z})}{F_{\underline{p}}^-(\underline{z})} O(1).$$

Page 252. Equation (3.213) must read:

$$\begin{aligned} \psi_1(P, n, n_0, t_{\underline{r}}, t_{0,\underline{r}}) &= \psi_1(P, n_0, n_0, t_{\underline{r}}, t_{0,\underline{r}}) \psi_1(P, n, n_0, t_{\underline{r}}, t_{\underline{r}}), \\ P = (z, y) &\in \mathcal{K}_p \setminus \{P_{\infty,+}, P_{\infty,-}, P_{0,+}, P_{0,-}\}, \quad (n, n_0, t_{\underline{r}}, t_{0,\underline{r}}) \in \mathbb{Z}^2 \times \mathbb{R}^2. \end{aligned}$$

Page 292. The last line of the displayed formula in Hypothesis 3.50 should read:

$$\alpha(n, \cdot), \beta(n, \cdot) \in C^1(\mathbb{R}), \quad n \in \mathbb{Z}, \quad \alpha(n, t_{\underline{p}})\beta(n, t_{\underline{p}}) \notin \{0, 1\}, \quad (n, t_{\underline{p}}) \in \mathbb{Z} \times \mathbb{R}.$$

Page 294. Equation (3.371) should read

$$D(t_{\underline{p}}) = \exp \left(\frac{i}{2} \int_0^{t_{\underline{p}}} ds (g_{p+,+}(0, s) - g_{p-,-}(0, s)) \right) D(0), \quad t_{\underline{p}} \in \mathbb{R}, \quad (3.371)$$

APPENDIX B

Page 361. It must read $R_{2p+2}(x+i0)$ in equation (B.36).

BIBLIOGRAPHY

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