As of 12/9/2020

Preface

p(vi) Line 1.
Replace [301] with [302]

p(vi) Line 4.
as is repeated

Chapter 1

p10 Exercises 1.2 2.(i) line below displayed equation
Change C to $2C$.

p11 Exercises 1.2 3. (ii) first line of text on page
Replace "$\mathbf{A} = \mathbf{R}\,\mathrm{diag}[\lambda_+, \lambda_1]\mathbf{R}^T$" with "$\mathbf{A} = \mathbf{R}\,\mathrm{diag}[\lambda_+, \lambda_-]\mathbf{R}^T$"

p11 Exercises 1.2 3. (iii) RHS of displayed equation
Replace "$(\lambda_+ - \lambda_-)$" with "$(\lambda_- - \lambda_+)$"

p17 Exercises 1.3 2. second line of text below eq. (1.35)
Replace "$\mathbf{A} = \mathbf{E}_p\mathbf{E}_{p-1}\ldots\mathbf{E}_1$" with "$\mathbf{A} = \mathbf{E}_1\mathbf{E}_2\ldots\mathbf{E}_p$"

p17 Exercising 1.3 2. (i) first displayed equation
Replace displayed equations with
"$(\mathbf{E}^{(j\mapsto k)\dagger} d\mathbf{X}\mathbf{E}^{(j\leftrightarrow k)\dagger}) = (d\mathbf{X}), \quad (\mathbf{E}^{(j\mapsto j+k)\dagger} d\mathbf{X}\mathbf{E}^{(j\mapsto j+k)}) = (d\mathbf{X})$"

p18 Exercises 1.3 5. (ii) second line of text
Replace "ϕ_0" with "$\vec{\phi}_0$"

p18 Exercises 1.3 5. (ii) last line of text
Replace last sentence with "Use the fact that eigenvectors of a
Hermitian matrix corresponding to distinct eigenvalues are orthogonal to
deduce that $\vec{\phi}_j^{\dagger} \cdot d\phi_{N/2+j} = 0$ (N even) and $\vec{\phi}_j^{\dagger} \cdot d\phi_{(N-1)/2+j} = 0$ (N odd).
Note that only one of $\vec{\phi}_j^{\dagger} \cdot d\vec{\phi}_0$ and $\vec{\phi}_j^{*\dagger} \cdot d\vec{\phi}_0$ is independent"

p18 Exercise 1.3 6. (i) fourth line of text
Replace "$\begin{bmatrix} \phi_k^r \\ \phi_k^i \end{bmatrix}$" with "$\begin{bmatrix} \phi_k^r \\ -\phi_k^i \end{bmatrix}$"

p19 Exercise 1.3 7. (ii) displayed equation
Replace the "$\mathbf{u}_{jp}$" on the LHS of the second equation with "$\mathbf{u}_{pj}$"

p19 Exercises 1.3 8. (i) first line of text
Replace "$|\phi\rangle$" with "$\vec{\phi}$"

p29 Exercise 1.4 6. (ii) last line of text
Replace "q.2(ii)" with "q.5(ii)"

p29 Exercises 1.4 7. (i) second equation below eq. (1.79)
Replace $Y = \frac{a+b}{2}\cos\theta, \quad Y = \frac{a+b}{2}\cos\sigma$
with $Y = \frac{a+b}{2}\cos\theta, \quad X = \frac{a+b}{2}\cos\sigma$

p29 Exercises 1.4 7. (i) third displayed equation
Replace "$-\frac{a^2-b^2}{2}\cos\sigma$" with "$+\frac{a^2-b^2}{4}\cos\sigma$"

p29 Exercises 1.4 7. (ii) eq. (1.80)
Replace "$\log|\cos\theta - \cos\phi|d\phi$"
with "$\log|\cos\theta - \cos\sigma|d\theta$"

p29 Replace eq. (1.80) with
"$C = N\log l\sqrt{\frac{N}{2}} - lN(\frac{3l}{4} - s)\log 2 - Ns(s-l) - \frac{3l^2N}{8}$"

p30 Exercises 1.4 7. (ii) first line of text on page
Replace "$a + b = \sqrt{N}l$" with "$a + b = \sqrt{2N}l$"

p30 Exercises 1.4 8. first line of text
Replace "the minimum of" with "the minimum $\{x_l^{(b)}\}_{l=1,\ldots,N}$ of"

p30 Exercises 1.4 8. (i) first line of text
Replace "$\frac{\partial^2 H}{\partial x_j x_k}$" with "$\frac{\partial^2 H}{\partial x_j \partial x_k}$"

p30 Exercises 1.4 8. (ii) displayed equation
Replace "$g''(x_j) - 2x_j g'(x_j) = 0$" with "$g''(x_j^{(0)}) - 2x_j^{(0)} g'(x_j^{(0)}) = 0$"

p33 Exercises 1.5 1. (iv) displayed equation
Replace displayed equation with
"$(2\pi)^{n/2}(\det \mathbf{A})^{-1/2}\int_{-\infty}^{\infty} db_{k+1}\ldots\int_{-\infty}^{\infty} db_n \exp(-\frac{1}{2}\vec{b}^T\mathbf{A}^{-1}\vec{b})$
$= (2\pi)^{k/2}(\det\tilde{\mathbf{A}})^{-1/2}\exp(-\frac{1}{2}\vec{b}^T\tilde{\mathbf{A}}^{-1}\vec{b})\Big|_{b_{k+1}=\ldots b_n=0}$"

p33 Exercises 1.5 1. (v) eq. (1.95)
Replace "$(2\pi)^{n/2}$" with "$(2\pi)^{-n/2}$"

p44 Second line of proof of Proposition 1.9.1
Replace "he" by "the"

p49 First line of proof of Proposition 1.9.6.
Change "Exercises 4.2 q.2(iii)" to "Exercises 4.3 q.3(iii)"

p50 First line
change "in (1.167) has" to "in (1.167), $\mathbf{V}_j$ say, has"

p50 third line of text
change $T_j = V_{j-1} \cdots V_1$ to $\mathbf{T}_j = \mathbf{V}_{j-1} \cdots \mathbf{V}_1$.

p51 Exercises 1.9 2. (ii) third line of text
Replace "from columns $1, \ldots, k-1$" with "from columns $1, \ldots, N-1$"

p51 Exercises 1.9 2. (iii) line of text above eq. (1.178)
Replace "to deduce that there" with "to deduce that for A_N real there"

p52 Exercises 1.9 4. (i) first displayed equation
Replace the "0_{N-1}^T" in the (1,2) entry of each of the three matrices with "$\vec{0}_{N-1}^T$"

p52 Exercises 1.9 4. (ii) displayed equation above eq. (1.179)
Replace "λ_1" with "$\lambda_1 \mathbf{1}_{N-1}$"

p52 Exercises 1.9 4. (ii) eq. (1.179)
Replace "λ_1" with "$\lambda_1 \mathbf{1}_{N-1}$"

Chapter 2

p59 Proof of Prop. 2.2.5 line of text below first displayed equation
Replace "θ" with "$\boldsymbol{\theta}$"

p60 Exercises 2.2 1. (i) first displayed equation
Replace "θ" with "$\boldsymbol{\theta}$"

p60 Exercises 2.2 1. (ii) first line of text
Replace "θ" with "$\boldsymbol{\theta}$"

p60 Exercises 2.2 2 (ii) first displayed equation
Replace "Asym" with "Sym"

p61 Exercises 2.2 2 (ii) first line of text
Replace "where Asym denotes the operation of anti-symmetrization" with "where Sym denotes the operation of symmetrization"

p61 Prop. 2.3.1, final displayed equation
Replace $(\cos\phi_{j,k})^{2(N-k+1)}$ by $(\cos\phi_{j,k})^{2k-1}$.

p62 Eq. (2.28)
Replace $d\alpha$ with $d\alpha_1$

p63 1st and 3rd equation
Replace $(\cos\phi_{j,k})^{2(N-k+1)}$ by $(\cos\phi_{j,k})^{2k-1}$.

p63 Third displayed equation
Replace $d\alpha$ with $d\alpha_1$

p63 Start of 2nd paragraph below the end of the proof.
Replace $\xi_{jk}^{1/2(N-k+1)}$ by $\xi_{jk}^{1/(2k-1)}$.

p72 Four lines below (2.63).
Typeset $u_j, \bar{u}_j$ in boldface.

p72 Eq. (2.64)
Replace "$\mathbf{U}_2^\dagger, d\mathbf{U}_2$" with "$\mathbf{U}_2^\dagger d\mathbf{U}_2$"

p72 Eq. (2.66)
Replace "." with ","

p73 Exercises 2.6 1. (i) line of text above eq. (2.71)
Replace "Proposition 1.2.5" with "Proposition 1.2.4"

p73 Exercises 2.6 1. (ii) first displayed equation
Replace "$d\mathbf{A}^T$" with "$d\mathbf{A}$"

p73 Exercise 2.6 1. (iii) second line of text
Replace last sentence with "Change variables $e^{i\theta_j} = \frac{1+i\lambda_j}{1-i\lambda_j}$ to derive (2.62), (2.63) up to normalization."

p78 Eq. (2.89)
Replace whole displayed equation with
"$\chi_k^b = \lambda\chi_{k-1}^b(\lambda) + \alpha_{N-1-k}\bar{\alpha}_{N-1}\tilde{\chi}_{k-1}^b(\lambda)$
$\tilde{\chi}_k^b(\lambda) = \tilde{\chi}_{k-1}^b(\lambda) + \lambda\bar{\alpha}_{N-1-k}\alpha_{N-1}\chi_{k-1}^b(\lambda)$"

p80 Last displayed equation of the proof of Prop. 2.8.7
Replace "$\pi_{i=1}^N q_i^{\beta-1}$," with "$\pi_{i=1}^N q_i^{\beta-1}$,"

p80 Exercises 2.8 1. first line of text
Replace "(2.94)" with "(2.90)"

p80 Exercises 2.8 1. (i) first displayed equation
Replace "$\bar{\alpha}_j\alpha_{n-1}$" with "$-\bar{\alpha}_{n-2-j}\alpha_{n-1}$"

p80 Exercises 2.8 1. (ii) first line of text
Replace "$\lambda = 1/\lambda_j^{(k)}$," with "$\lambda = 1/\overline{\lambda}^{(k)}$,"

p81 Exercises 2.8 1. (ii) first displayed equation on page
Replace "$(1/\overline{\lambda}_i^{(k)})^k$" with "$(1/\overline{\lambda}_i^{(k)})$"

p81 Exercises 2.8 1. (ii) second displayed equation on page
Replace "$(\overline{\lambda}_j^{(k-1)})^{k-1}$," with "$(\overline{\lambda}_j^{(k-1)})$"

p81 Exercises 2.8 1. (iii) first displayed equation on page
Replace "$(\overline{\lambda}_i^{(k)})^k$" with "$(\overline{\lambda}_i^{(k)})$"

p81 Prop. 2.9.2.
Replace $2n-2$ by $2N-2$ in 3rd line.

p88 Eq. (3.9)
Replace "$|\mathbf{A}||\mathbf{B}| \leq |\mathbf{AB}|$" with "$|\mathbf{AB}| \leq |\mathbf{A}||\mathbf{B}|$"

p81 Prop. 2.9.2, 3rd line.
Replace $2n-2$ by $2N-2$.

Chapter 3

p89 Exercises 3.1 1. final displayed equation
Replace "$V(x)$" with "$V(|x|)$"

p91 Proposition 3.2.3. Change $(a-1)/2+1/\beta$ to $(a-1/2)/2+1/2\beta$

p92 Final displayed equation
Replace "$\mathbf{U}_2^\dagger\mathbf{U}_1\mathbf{T}$" the (2,1) entry of the last matrix with "$\mathbf{U}_2^\dagger d\mathbf{U}_1\mathbf{T}$"

p93 second line of text
Replace "$\mathbf{U}_2^\dagger\mathbf{U}_1\mathbf{T}$" with "$\mathbf{U}_2^\dagger d\mathbf{U}_1\mathbf{T}$"

p93 6^{th} and 7^{th} displayed equation
Replace $\prod_{i=1}^m t_{ii}^{2(m-i)+1)}$ with $\prod_{i=1}^m t_{ii}^{2(m-i)+1}$

p95 Line of text below eq. (3.25)
Replace "$\vec{h}=\mathbf{U}_{m-1}^{-1}\vec{w}$" with "$\vec{h}=\mathbf{U}_{m-1}\vec{w}$"

p97 Exercises 3.2 6. (iii) eq. (3.29)
Delete "$h(\mathbf{B}^\dagger\mathbf{B})$"

p97 Exercises 3.2 5. (i) First displayed equation.
The exponent of t_{jj}, $4(n-j)+2$, should read $4(n-j)+3$.

p102 Last line.
Replace "Exercises 3.1 q.8" with "Exercises 3.1 q.2"

p104 First and second lines of text.
Replace $|v_i^B\rangle$ by $|v_i^B\rangle\langle v_i^B|$, and $|v_i^A\rangle$ by $|v_i^A\rangle\langle v_i^A|$

p105 Exercises 3.3 Q3. second line of text
Replace "and it has the property $\mathrm{Tr}\,\mathbf{C}=m$" with "and it has the property $|c_{jk}|<1$ for $j<k$"

p105 Exercises 3.3 Q3. fifth line of text
Replace "and $\mathbf{C}$ is" with "and $\mathbf{C}$, subject to $|c_{jk}|<1$ for $j<k$, is"

p105 Exercises 3.3 Q3. next two displayed equations
delete $\delta(c_1+\cdots+c_m-m)$

p105 Exercises 3.3 Q3. final line of text
Replace "and $\mathbf{C}$ is" with "and $\mathbf{C}$, again subject to $|c_{jk}|<1$ for $j<k$, is"

p110 3 lines below (3.70).
Change "not the identity" to "not proportional to the identity".

p110 line below (3.71).
Change "this show" to "this shows"

p112 Proposition 3.6.3
Change $(a-1)/2+1/\beta$ to $(a-1/2)/2+1/2\beta$,
and change $(b-1)/2+1/\beta$ to $(b-1/2)/2+1/2\beta$.

p113 Insert at the beginning of the line below (3.77):
"normalized now to integrate to unity rather than N,"

p115 Exercises 3.6 4. second line of text
Replace "distribution" with "p.d.f."

p115 Exercises 3.6 6. second line of text
Replace "Exercises 1.3 q.1(iv)" with "Exercises 1.2 q.2(iv)"

p118 Exercises 3.7 1. (iii) first line of text
Replace "With $\{\vec{v}_j\}_{j=1,\ldots,2n}$ denoting" with "Let $\{\vec{u}_j\}_{j=1,\ldots,2n}$ denote"

p118 Exercises 3.7 1. (iii) second line of text
Replace "positive, set" with "positive. Put $\mathbf{v}_j = \mathbf{u}_j/\sqrt{\mathrm{sgn}(\mu_j)\mathbf{v}^\dagger I'_{n,n}\mathbf{v}}$
and write"

p119 Eq. (3.99).
Replace $\mathbf{\Lambda}_t$ by $\mathbf{\Lambda}_t^T$ throughout.

p123 First sentence of proof of Prop. 3.8.2
Replace "last $N - n_2$ rows" with "last $N - n_2$ columns"

p123 Line above eq. (3.112). Replace "given by" by "seen to be proportional to"

p123 In eq. (3.112) replace $\mathbf{1}_{n_2}$ by $\mathbf{1}_{n_1}$ throughout. Three lines below, replace $\mathbf{1}_m$ by $\mathbf{1}_{n_1}$.

p123 3rd line below (3.112). After "Gaussian integrals" insert "over $\mathbf{C}$"

p124 fourth line of text
Replace "[197] (see also Exercises 3.8 q.2)" by [197a]
where [197a] refers to P.J. Forrester,
'Quantum conductance problems and the Jacobi ensemble', J. Phys. A **39**, 6861–6870 (2006).

p124 Below eq. (3.113)
Insert "for $\beta = 1$ and 4 respectively," before "and thus the distribution"

p124 Displayed equations above Exercises 3.8.
Delete factors of $(\beta/2)$ on each RHS.

p124 Exercises 3.8 1. (iii) first line of text
Replace "From (3.96) and the unitary of $\mathbf{S}$" with "From (i)"

p124 Exercises 3.8 2. (i) last line of text
replace "of $\tilde{\mathbf{M}}$, then so is $1/\lambda$" with "of $\tilde{\mathbf{M}}\tilde{\mathbf{M}}^\dagger$, then $1/\lambda$ is an eigenvalue"

p124 Exercises 3.8 2. (ii) two lines above eq. (3.114)
Replace "λ_i" with "λ_i^2"

p124 Exercises 3.8 2. (ii) displayed equation below eq. (3.114)
Replace "2" with "$2\mathbf{1}_{2N}$"

p124 Exercises 3.8 2. (ii) line above eq. (3.115)
Replace "of $\mathbf{M}$" with "of $\mathbf{M}\mathbf{M}^\dagger$"

p127 Section 3.10. Third line below (3.125).
Replace first "χ_n^2" by "χ_n.

p127 Fifth line below (3.125).
Replace $\mathbf{U}^{(0)T}$ by $\tilde{\mathbf{U}}^{(1)T}$.

p127 Section 3.10. End of first paragraph Section 3.10.
Replace "χ_{m-1}^2" by "χ_m.

p128 Displayed equation at bottom of page.
Insert factor $d\vec{q} \wedge d\vec{\lambda}$.

p130 Exercises 3.11 1. last line of text
Replace "$s_i' = \sin\theta_i$" with "$s_i' = \sin\phi_i$"

p130 Exercises 3.11 1. (ii) first line of text
Replace "$\mathbf{\Gamma}_r$" with "$\mathbf{\Lambda}_r$"

p130 Exercises 3.11 1. (ii), line 2.

Replace $\mathbf{B}_{11}^T\mathbf{B}_{11}$ by $\mathbf{B}_{11}$.

p130 Exercises 3.11 1. (ii) RHS of displayed equation
Replace "$\prod_{j=1}^{n-1} v_j^{\beta-1} dv_j$" with "$\prod_{j=1}^{n} v_j^{\beta-1} \prod_{j=1}^{n-1} dv_j$"

Chapter 4

p137 Exercises 4.1 5. (ii) last line of text
Delete "!" between "Morris" and "integral"

p139 First line of proof of Proposition 4.2.3, rewrite:
In general the matrix products $\mathbf{XY}$ and $\mathbf{YX}$ have the same nonzero eigenvalues.

p142 Exercises 4.2 1. (i) final line of text
Replace "$N(N-1)/2$ in both sets of variables" with
"$N(N-1)$ in $\{x_j\}_{j=1,\ldots,N} \cup \{y_j\}_{j=1,\ldots,N}$."

p142 Exercises 4.2 1. (ii) line below displayed equation
Omit "in each set of variables"

p143 Exercises 4.2 2. (iii) start of last sentence
Replace the text before "and performing..." with
"With $p^* = \sum_{i=0}^{p-1} \alpha_i$ $(p = 0, \ldots, n-1)$", by taking
the limit $a_{p^*}, \ldots, a_{p^*+\alpha_p-1} \to a_{p^*}$
and the relabelling $a_{p^*} \mapsto a_p$

p143 Exercises 4.2 3. (i) first line of text
Delete the beginning of the sentence up to the comma, and change "let" to "Let".

p143 Exercises 4.2 3. (i) third line of text
Replace "given by (4.38)" with "given by the zeros of (4.38)"

p144 Exercises 4.2 3. (ii) displayed equation above eq. (4.39)
Replace the "c_i" in the summation with "q_i"

p144 Exercises 4.2 3. (iii) first line of text
Replace the "(i)" with "(ii)"

p144 Exercises 4.2 3. (v) first line of text
Replace "(ii)" with "(iii)"

p144 Exercises 4.2 3. (v) line below first displayed equation
Replace "(iii)" with "(iv)"

p144 Exercises 4.2 3. (v) above eq. (4.43)

Insert ", and with support implied by (4.39) with $\theta_0 = 0$," after "$\lambda_n := 1$" and before 'is equal to"

p148 Equation (4.60)
Delete this equation reference.

p151 4 lines above (4.79)
Ref. [199] should read [200].

p154 Exercises 4.3 1. 2nd line
Replace "$D_2[\alpha; \beta]$" with "$D_2[\alpha, \beta]$"

p155 Exercises 4.3 3.
Replace "principal minor" with "principal sub-matrix" throughout
(2 occurrences in (i) and 1 occurrence in (iii))

p155 Exercises 4.3 3. (i) first displayed equation
Replace "$\vec{x}_{n+1}$" with "$\vec{x}_n$"

p155 Exercises 4.3 3. (i) fifth line of text
Replace "the joint distribution" with "the PDF of the joint distribution"

p155 Exercises 4.3 3. (i) line of text above eq. (4.94)
Replace "is proportional to" with "has PDF proportional to"

p156 Proposition 4.4.1 eq. (1.104)
Replace the penultimate component of S_r "$s_l - 1$" with $s_{l+1} - 1$

p157 Proposition 4.4.1 eq. (1.106)
Replace the second component of S_r "s_2" with "$s_2 - 1$ "

p159 Exercises 4.4 2. (i) fourth line of text
Replace the end of the final sentence after "r coordinates of species"
with "$l + 1$, and q coordinates of species $l + 1$"

p159 Exercises 4.4 3.
Needs to reference [190]

p159 Exercises 4.4 3. 2nd displayed equation
Replace "$M_r(a, a, 1/(r + 1))$" with $\frac{1}{r!}(2\pi)^r M_r(a, a, 1/(r + 1))$

p160 Exercises 4.3 3. (i) first sentence
Insert "and the proof of Proposition 4.4.1" after "use the method of q.2"

p163 Exercises 4.5 Q1
A closing bracket is missing at end of the first line.

p164 Exercises 4.5 1. A (iv) 4th line of text
Replace "$\mathrm{Im}(\beta) > 0$" with "$\mathrm{Im}(\beta + 2\rho(m-1)) < 0$"

p164 Exercises 4.5 1. B (ii) 1st line of text
Insert "$\mathrm{Im}(\alpha) > 0$," after "$\mathrm{Re}(\alpha) > n - 1$,"

p 168 Equation below eq. (4.132)
On RHS insert a factor of $\frac{p!(N-p)!}{N!}$

p168 Equation above eq. (4.133)
Replace "$e_p(x - t_1, \ldots, x - t_N)$" with "$e_p(t_1 - x, \ldots, t_N - x)$"

p 168 line below the displayed equation below (4.133)
after "derivation of (4.133)," insert "now starting with each integration $\int_0^1 dt_j$ in (4.127) replaced by $(\int_0^x + \zeta \int_x^1) dt_j$, where
ζ is a generating function parameter,"

p169 2 lines above Exercises 4.6.
Replace "$x = 0, 1, x, \infty$" with "$x = 0, 1, \infty$"

p169 Exercises 4,6, Q1.(i) and (ii)
Replace reference to Proposition 4.3.4 by reference to Proposition 4.6.1.

p171 Exercises 4.6 2. (v) 2nd last displayed equation
Replace "$q^{1+(r-1)\gamma}$" with "$q^{(r-1)\gamma}$"

p176 Eq. (4.150)
Delete full stop before final term in the bottom line.

p178 Exercises 4.7 2. (i) 1st and 2nd displayed equation
Replace "$|\lambda_j - a_p|^c$" with "$|\lambda_j - a_p|^{c-1}$"

p179 Exercises 4.7 3. (iv) eq. (4.155)
Replace "$\mathbb{R}^N$" with "$(\mathbb{R}^+)^N$"

p179 Exercises 4.7 5.(i) Second line
Replace $q^{b/2}$ by q^b.

p184 Exercises 4.8 3.(vi) First line
Delete "with β even"

p185 Exercises 4.8 4.(ii) In the final equation
Replace "$n^{-(c-1)\alpha/2}$ by $n^{-(c-1)\alpha/2c}$.

p185 Eq. (4.188) Require $b = 0$.

Chapter 5

p191 End of the proof of Prop. 5.1.4.
Insert new sentence: "An alternative approach to derive this result is to use the method of the proof of Proposition 5.3.1 below, in the special case $K = 0, Q = 1$."

p191 Exercises 5.1 1(iii) Second line
Replace "cases," by " cases (see Section 5.4.1 below),

p192 Exercises 5.1 1(vi). On the LHS
Replace n by $n - 1$

p199 Exercises 5.3 1(ii). In the two sentences
After "Subtract" insert "an appropriate multiple of"

p200 Eq. (5.46)
correct position of final comma

p201 Below (5.50).
Replace "(3.123)," by "(3.123) with $b = a$,"

p202 Proposition 5.4.1, first line.
Replace "Assuming $e^{-2V(x)}$" by "Assuming $f(x)e^{-2V(x)}$".

p205 Eq. (5.73), LHS.
Replace "$K_N^{(\cdot)}(x, y)$" by "$K_N^{(\cdot)}(x(u), x(v))$".

p206 Exercises 5.4 1(v)
Delete ", together with elementary row operations in the resulting determinant"

p206 Exercises 5.4 2(iii)
Replace "an analytic function" by "a polynomial"

p208 In (5.84), on RHS
multiply by $(-1)^n$ and replace z by $-z$

p209 In (5.89) and (5.90) replace := by =

p210 Exercises 5.5 Q2 3rd line of text
Replace (5.79) by (5.24)

p211 Exercises 5.5 5(i) last line on page
Replace "minus column" by "plus column"

p211 First displayed equation
On the LHS, the superscript $O^-(N)$ should read $O^-(N + 2)$.

p212 Eq. (5.95)
On RHS, upper terminals of products should be $[n/2]$ and $[(n + 1)/2]$ respectively.

p217 Exercises 5.6 1(ii) last line of text
Replace "obtain an analogous formula for N even" by "show this remains true for N even"

p235 Eq. (5.198).
On RHS replace $p_\cdot^{(\cdot)}(x)$ by $\tilde{p}_\cdot^{(\cdot)}(x)$

p235 First line of text below (5.198).
Replace "Here $p_j(x)$ denotes the monic orthogonal polynomial, $\mathcal{N}_j := \int_\infty^\infty w(x)(p_j(x))^2\,dx$"
by "Here $\tilde{p}_j(x)$ denotes the classical orthogonal polynomial, $\mathcal{N}_j := \int_\infty^\infty w(x)(\tilde{p}_j(x))^2\,dx$"

p235 Second line of text below (5.198).
Replace "$p_j^{(n)}(x)$" by "$\tilde{p}_j^{(n)}(x)$".

p235 Third line of text below (5.198).
Replace "$a \mapsto a + n$ (Laguerre case), $a \mapsto a + n$, $b \mapsto b + n$ (Jacobi case)"

by "$a \mapsto a + N - n$ (Laguerre case), $a \mapsto a + N - n$, $b \mapsto b + N - n$ (Jacobi case)"

p238 Below (6.8).
Replace "Exercises 3.1" by "Exercises 3.2"

Chapter 6

p245 Exercises 6.1 2(ii)
Change "In (6.38)" to "In (6.37)" and "using (6.37)" to "using (6.38)" and "establishes (6.38)" to "establishes (6.37)"

p245 Exercises 6.1 Q3(i).
2nd displayed equation, subscripts on determinant $j = 1, \dots, n$ and $k = 1, \dots, 2n + 1$.

p246 Exercises 6.1 Q4
Replace $C_{2m-j}(x)$ and $C_{2m+1-j}(x)$ in the second and third displayed equations by $p_{2m-j}(x)$ and $p_{2m+1-j}(x)$.

p246 Exercises 6.1 Q4, 3rd displayed equation.
Replace $U_{2n+1}(x)$ by $U_{2n}(x)$.

p246 Rewrite Proof. bottom
Delete first 4 lines (including equations). Replace "This gives" by "Making use of (5.61) shows"
Replace 1st equality on RHS by $\frac{1}{2}((\phi, A\psi)_2 - (\psi, A\phi)_2)$.
Delete 2nd equality.

p247 2 lines above (6.41), end of sentence
Replace full stop by comma, and then write $\{p_j(x)\}$.

p247 Eq. (6.44).
Replace each $\tilde{q}_1$ by $\tilde{q}_0$ in columns 1 and 2.

p250 Exercises 6.2 2(ii) first displayed equation
On LHS change "$\alpha^T \mathbf{M} \alpha$" to $\alpha \mathbf{M} \alpha^T$
Delete $\mathbf{M}\vec{\alpha}_{2k+1} = -q_k \vec{\alpha}_{2k}$ on RHS

p255 Second last displayed equation.
On LHS, insert a factor of 2.

p256 Eq. (6.75) and first line of displayed equation below
The summation should have a $*$ superscript

p.256 Last displayed eq. of proof of Prop. 6.3.5
The summation should have a $*$ superscript

p261 Exercises 6.3 Q3
Insert new first sentence: Let $a_{i,j} = -a_{j,i} = x_i y_j$ $(i < j)$ and $a_{i,i} = 0$.
On LHS of (6.85), replace $\mathrm{Pf}\,[\mathrm{sgn}\,(j-i) x_i y_j]_{i,j=1,\dots,2n}$ by $\mathrm{Pf}\,[a_{i,j}]_{i,j=1,\dots,2n}$

p261 Eq. (6.86)
On RHS, final $\mathbf{T}$ should read $\mathbf{T}^T$.

p261 Exercises 6.3 4(i), final displayed equation
Replace "$R_{j-1}(n_k) =: r_{jk}, \quad h(n_j, n_k) =: a_{jk}$" by "$R_{j-1}(n_k) =: r_{j,n_k}, \quad h(n_j, n_k) =: a_{n_j,n_k}$"
On RHS replace $\mathrm{Pf}\,[\mathbf{T}\mathbf{A}^T\mathbf{T}]$ by $\mathrm{Pf}\,[\mathbf{T}\mathbf{A}\mathbf{T}^T]$

p262 Exercises 6.3 4(i), first line of the page
Delete "With the determinant in (6.73) replaced by its transpose,"

p262 Exercises 6.3 4(ii), first displayed equation
Replace $\mathbf{T} = \begin{bmatrix} \mathbf{X}_{m\times n} & \mathbf{0}_{m\times n} \\ \mathbf{0}_{m\times n} & \mathbf{Y}_{m\times n} \end{bmatrix}$ by $\mathbf{T} = \begin{bmatrix} \mathbf{X}_{n\times m} & \mathbf{0}_{n\times m} \\ \mathbf{0}_{n\times m} & \mathbf{Y}_{n\times m} \end{bmatrix}$

p262 Exercises 6.3 4(iii)
First displayed equation should read $\mathrm{Pf}\,[\mathbf{TAT}^T] = (-1)^{n(n-1)/2}\det[\mathbf{XY}^T]$
Eq. (6.88) RHS should read $\det[\mathbf{XY}^T]$

p262 Exercises 6.3 5(i) RHS of final equation
Replace "$\mathrm{Res}_{z=y}\left\langle \frac{1}{P(x)P(y)} \right\rangle$" by "$\mathrm{Res}_{z_1=y}\mathrm{Res}_{z_2=x}\left\langle \frac{1}{P(z_1)P(z_2)} \right\rangle$"

p263 Delete the first line.

p263 Exercises 6.3 Q5(ii) RHS of 1st displayed equation
On the LHS include a factor of $e^{-V(x)-V(y)}$.
In the denominator, replace "$x-y$" with "$y-x$".

p263 Exercises 6.3 Q5(ii), second line of text.
Replace by "Proceed similarly, but now using appropriate specializations of (5.40), to deduce"

p266 Two lines below (6.104)
Replace (6.3) by (5.10)

p268 Exercises 6.4 Q1 final displayed equation
No absolute value signs in final product of the RHS.

p273 Exercises 6.5 q.1(ii), second displayed equation, second line.
Replace subscripts $k = 2, \ldots, N$ by $1 = 2, \ldots, N-1$.

p278 Exercises 6.6 1(ii)
Replace "(4.32) q.3" by "(4.32) and Exercises 6.5 q.2"

Chapter 7

p286 Eq. (7.9)
Delete the factor of π in front of $\mathrm{Ai}(t)$.

p287 Eq. (7.15) RHS of first equation
Replace "$N^{(j-1)/3}$" in the numerator by "$N^{(j-1)/3}e^{N/2}$"

p287 Eq. (7.15) RHS of second equation
Replace "$(2N)^{(N+j-r)/2}$" by "$(2N)^{(N+j-r)/2}e^{-N/2}$"

p289 Line above eq. (7.24)
Replace "Placheral-Rotach formula" with "Placherel-Rotach formula"

p289 Line above eq. (7.38)
Replace "Placheral-Rotach formula" with "Placherel-Rotach formula"

p291 Eq. (7.39)
Move the comma before $\frac{1}{N}$ to after $\frac{1}{N}$

p295 Exercises 7.2 Q2
Change "(7.73) to" to "(7.73) below to"

p295 Exercises 7.2
Delete Q2.(iv)

p295 Exercises 7.2 2(v)
Replace line of text by "Consider (7.48) with $\rho = 1/\pi$. Make use of an appropriate Bessel function identity from (7.32) and the asymptotic expansion (7.55) to show"

p295 Exercises 7.2 2(vi), RHS of first line of displayed equation
Insert a factor of 2.

p297 Eq. (7.61). On the RHS replace y, y' by u, u'.

p299 Eq. (7.71). Extend RHS by including the factor
$\left(1 - \frac{5}{48}\frac{1}{z^{3/2}}\right)$

p299 Eq. (7.72). Extend to read
$\rho_{(1)}(X) \underset{X\to\infty}{\sim} \frac{1}{8\pi X} e^{-4X^{3/2}/3}$

p300 Replace 'In particular' by 'Use of (7.49) shows'

p301 Exercises 7.4 1(i)
On LHS of both displayed formulas replace $\rho_{(1)}$ by $\tilde{\rho}_{(1)}$.
After final displayed equation write "where $\tilde{\rho}_{(1)}(x) = N\rho_{(1)}(x)$".

p301 Exercises 7.4 1(ii) 1st line
replace "$N^{1/3}$" by "$N^{1/3}/2$"

p301 Exercises 7.4 1(ii) 2nd line
delete the word "only"

p307 4th line
Replace [81] by [69].

p311 Eq. (7.101)
$O(N^{-1/3})$ correction term is not correct.

p311 Eq. (7.104)
On the LHS replace e^{ikx} by $e^{ik(x-y)}$

p311 Exercises 7.7 Q2, first line of text
Replace "Exercises 7.1" by "Exercises 7.2"

p315 Exercises 7.7 Q1, first line of text.
Replace "Exercises 7.1" by "Exercises 7.2"

p315 Exercises 7.7 Q1, second line of first displayed equation.
Replace a by c in the second line.

p315 Exercises 7.7 Q2, second line of text.
Replace "$L_k^{a+1}(y)$" by "$L_k^a(y)$".

p316 Exercises 7.7 2(i), first term in first displayed equation
Rewrite "$\frac{((2N-1)!)^2}{\Gamma(2N)\Gamma(a+1+2N)}$" as "$\frac{\Gamma(2N)}{\Gamma(a+1+2N)}$"

p319 Eq. (7.149)
$O(N^{-1/3})$ correction term is not correct.

p321 Delete line below (7.162)

p323 Exercises 7.9, displayed equation
On first line of RHS, replace "+" by "−"

p326 Eq. (7.184)

Replace "$\prod_{(i,i')}\Big(\boldsymbol{f}(\vec{r}_i,\vec{r}_{i'})\Big)^{(0)}$" with "$\Big(\prod_{(i,i')}\boldsymbol{f}(\vec{r}_i,\vec{r}_{i'})\Big)^{(0)}$"

Chapter 8

p329 Prop. 8.1.2, second displayed equation.
Change "$\rho_{(1)}(a_1)$" to "$\rho_{(1)}(a_-)$"

p329 Eq. (8.4)
The upper terminals of the 3 sums should be N, $N-2$ and $N-1$ respectively.

p330 Similarly p331 and p334. Put colon : after P1, σPII etc in the lists.

p332 First line.
Replace a_-, a_+ by a_1, a_2 respectively.

p337 Two lines above (8.33).
Change "The algebra" to "The algebras"

p342 Two lines above (8.46).
Change "we seek $H[1] := TH[0]$." to
"we seek $H[1] = TH[0]$ where the equality follows from (8.43)."

p347 Exercises 8.2 q1.(iii). First equation, 2nd line.
Replace $D^{(n+1)}_{m,m}$ by $D^{(n+1)}_{mm}$.

p350 Displayed equation below (8.71).
First line: put a closing bracket) at the end;
Second line: put brackets ( ) around the subscript $\pi - x, \pi$;
Third line subscript cJUE should read cJUE$|_{b=\omega}$

p350 Displayed equation below (8.71), second and third line.
Replace $|e^{-ix} - e^{i\theta_l}|^{2\mu}$ by $|e^{i(\pi-x)} - e^{i\theta_l}|^{\mu}$.

p350 Eq. (8.72), first factor on the RHS, numerator.
Replace $M_N(\omega + \mu)$ by $M_N(\omega + \mu/2)$.

p351 Displayed equation below (8.76).
Delete the minus signs in front of the factors ξ.

p351 Two displayed equations further down.
Delete the minus sign on the LHS.

p364 Eq. (8.126). Make the second bracket smaller.

p357 Displayed equation below (8.109), second line.
Replace $\tilde{\xi}$ by ξ.
Replace $E^{(0)}_{N,2}\Big(\Big($ by $E^{(0)}_{N,2}\Big($

p359 2nd line.
Replace [230] by [233].

p367 First displayed equation
Replace
"$E_{N,1}\Big(\Big(-\tan\frac{\theta}{2},\tan\frac{\theta}{2});\xi;(1+x^2)^{-(N+1)/2}\Big)\Big|_{\xi=1} = E^{\mathrm{COE}}_{N,1}()(-\theta,\theta);\xi)\big|_{\xi=1}$"
with
"$E_{N,1}\Big(\Big(-\tan\frac{\theta}{2},\tan\frac{\theta}{2}\Big);\xi;(1+x^2)^{-(N+1)/2}\Big)\Big|_{\xi=1} = E^{\mathrm{COE}}_{N,1}((-\theta,\theta);\xi)\big|_{\xi=1}$"

p368 Eq. (8.144)
On RHS, upper terminals should be N and $[N/2]$.

p369 Eq. (8.150)
On the RHS, both occurrences of $(-\theta, \theta)$ should be replaced by $(0, \theta)$.

p369 Eq. (8.151)
On the RHS, $O^{\pm}(2N+1)$ should be replaced by $O^{\pm}$.

p370 Line above (8.158).
Change "the definition (8.149)" to read "the definition (8.145)".

Chapter 9

p385 Equation below eq. (9.19), bottom row of matrix
Replace "$\chi_{y\in J_b}\xi_b K_{ba}(y,x)\chi_{x\in J_a} \quad \chi_{x\in J_b}\xi_b K_{bb}(y,y)\chi_{y\in J_b}$"
with "$\chi_{x\in J_b}\xi_b K_{ba}(x,y)\chi_{y\in J_a} \quad \chi_{x\in J_b}\xi_b K_{bb}(x,y)\chi_{y\in J_b}$"

p386 RHS of first displayed equation
Replace 'w_j' by 'w_k'

p386 Second displayed equation
Rewrite to read $\xi \sum_{k=1}^{m} w_k K(y_j, y_k)\psi(y_k) = \lambda\psi(y_j) \qquad (j = 1, \ldots, m)$

p387 Third displayed equation.
The sum should be over k, not j.

p392 First line of first displayed equation
Replace "$\det\log$" by "$\log\det$"

p404 Eq. (9.82)
Replace LHS to read "$E_2^{\mathrm{scale}}(J;\xi)$"

p405 Third line from the top.
Replace "Exercises 7.1 q.1" by 'Exercises 7.2 q.1".

p407 Proposition 9.6.7, first displayed equation.
Replace $-\frac{1}{8(\pi\rho t)^2}$ by $+\frac{1}{8(\pi\rho t)^2}$.

p407 Eq. (9.92).
Replace $2^{1/6}$ by $2^{1/3}$.

p414 Exercises 9.6 Q.2.
Replace reference to (8.162) by (8.163).

p420 Eq. (9.155).
Replace $(0,(s,\infty))$ by $(0;(s,\infty))$.

p424 Line above (9.180).
Replace "fact that" by "$\xi = 1$ case of"

p424 Eq. (9.180).
Replace $E_2^{\mathrm{hard}}((0,s);a)$ by $E_2^{\mathrm{hard}}((0,s);\xi;a)$

p427 Final sentence of proof of Prop. 9.9.1
Replace (9.199) with a reference to the displayed equation below eq. (9.198)

p428 Line of text below eq. (9.205)

(i6.6e) should be \ref{i6.6e}, a reference referring to equation (9.25)

Chapter 10

p498 Displayed equation below (10.200)
On LHS, replace $(0, l^2 - 2l(l/2)^{1/3}y)$
On RHS, replace each upper terminal y by $Q_l(y)$

p499 In Exercises 10.8, Q.1, the reference [328] is incorrect. It should read
K. Johansson, *The longest increasing subsequence in a random permutation and a unitary random matrix model*, Math. Research Lett. **5** (1998), 63–82.

p501 First line of first new paragraph, replace
"$t = \sqrt{2}T$ by "$\sqrt{t} = 2T$"

p502 Equation (10.214), LHS of the 3rd equation. Replace
"$Q_{[2t+T^{1/3}y]}$" by "$Q_{[2T+T^{1/3}y]}$"

p503 Line below (10.218). Replace
"ϕ_n^*" by "π_n^*".

Chapter 11

p505 Fourth line above Section 11.1
Replace "Gaussian and cases" by "Gaussian cases"

p520 Exercises 11.3 2. (iii) first line of text
Replace "$\int_{C_R} \frac{dx/}{y}$" with "$\int_{C_R} \frac{dx}{y}$"

p525 second line of eq. (11.65)
Replace "$+ - 2y_j \frac{\partial}{\partial y_j}$" with "$-2y_j \frac{\partial}{\partial y_j}$"

p539 Exercises 11.6 3. (ii) second line of displayed equation
Replace "$\det[H_{j-1}(x_k^{(1)}/c_1]_{j,k=1,\dots,p} \det[H_{j-1}(x_k^{(m)}/c_m]_{j,k=1,\dots,p}$"
with "$\det[H_{j-1}(x_k^{(1)}/c_1)]_{j,k=1,\dots,p} \det[(x_k^{(m)}/c_m)]_{k=1,\dots,p}$"

Chapter 12

p577 Exercises 12.6 5. (i) first line of text
Replace "Recalling the notation (12.34) and (12.107),"
with "Recalling the notation (12.34) and (12.107), and with $\beta := \alpha/2$,"

p578 Equation above eq. (12.151)
Replace "$\Delta(z))^{2\alpha}$" with "$(\Delta(z))^{2\alpha}$"

p597 Eq. (13.23)
Final bracket on first line should not be big.

Chapter 13

p600 Exercises 13.1 q.4(ii), first line.
Replace "is analytic" by "can be re-written to be analytic in $e^{2\pi i x_j}$.
Delete sentence below (13.28).

p601 §13.2.3. Reference [188] should be to
P.J. Forrester, *Exact integral formulas and asymptotics for the correlations in the $1/r^2$ quantum many body system*, Phys. Lett. A **179** (1993), 127–130.

p606 Eq. (13.45). Replace
$\frac{W_{a,\beta,N}}{W_{a+2n/\beta,\beta,N+n}}$ by $\frac{W_{a+2n/\beta,\beta,N+n}}{W_{a,\beta,N}}$

p606 Eq. (13.46). Replace
$\frac{W_{a,\beta,N}}{W_{a+2n/\beta,\beta,N+1}}$ by $\frac{W_{a+2n/\beta,\beta,N+1}}{W_{a,\beta,N}}$

p606 Eq. (13.46). Replace
$M_\beta(2/\beta - 1 + a, N, \beta/2)$ by $M_\beta(2/\beta - 1 + a, N, 2/\beta)$

p607 Eq. (13.48).
Replace $\rho^{\rm hard}_{(1)}(X)$ by $\rho_{(1)}(X)$.

p607 Prop. 13.2.6, 2nd displayed equation.
Replace $W_{a,\beta,N}$ by $W_{2a/\beta,\beta,N}$.

p608 Prop. 13.2.7, second equation in first displayed equation
Replace "$(2\alpha/\beta + 2;;(s/4)^a)$" with "$(2\alpha/\beta + 2;(s/4)^a)$"

p609 Eq. (13.55)
In the sum, replace upper terminal "N" by "m"

p609 Eq. (13.56)
On RHS, replace "I_m" with "$I_{m,N}$"

p611 First displayed equation.
On RHS, replace first factor of $\frac{1}{2\pi}$ by $\frac{1}{\pi}$ and replace $\mathrm{O}\Big(\frac{1}{x^{3\beta/4+1}}\Big)$ by $\mathrm{O}\Big(\frac{e^{-2\beta x^{3/2}/3}}{x^{3\beta/4+1}}\Big)$

p622 Proposition 13.3.14
New first sentence of text: "Let $d\mu^{(L)}(x)\,dx = 2x d\mu^{(L)}(x^2)\,dx$."
In each of the three displayed equations, on the LHS replace $d\mu^{(L)}(x^2)$ by $d\mu^{(L)}(x)$

p626 Line of text below eq. (13.134)
Replace "where $q := 1 + (N-1)/\alpha$" with "valid for $|t| < 1$"

p626 Line of text below eq. (13.135)
Replace "valid for $|t| < 1$" with "where $q := 1 + (N-1)/\alpha$"

p631 Eq. (13.157)
On RHS, change $(-i)^{nN}$ to i^{nN}, and in final subscript change $\mathrm{ME}_{2/\alpha,n}(\cdot)$ to $\mathrm{ME}_{2\alpha,n}(\cdot)$

Chapter 14

p664 Line below (14.32)

In $\mathrm{ME}_{\beta,N}(\cdot)$, replace $x^{\beta(a+(1-1/\beta)/2}$ by $x^{\beta(a+1/2-1/\beta)/2}$

p665 Eq. (14.33)
Replace $a + (1 - 1/\beta)/2$ by $(a + 1/2 - 1/\beta)/2$.

p665 Exercises 14.2 (14.34) and (14.35).
Change $(a - 1)/2 + 1/\beta$ to $(a - 1/2)/2 + 1/2\beta$, and change
$(b - 1)/2 + 1/\beta$ to $(b - 1/2)/2 + 1/2\beta$.

p668 First line of eq. (14.52), RHS
Replace π by π^2.
On LHS, replace $a \mapsto a + (1 - 1/\beta)/2$ by $a \mapsto a - 1/2 + 1/\beta$

p668 Eqns. (14.50) and (14.51)
Delete commas at the end of first line.

p679 Exercises 14.4 6(i)
RHS of second displayed equation. Replace "$x - \alpha - u$" by "$x - \alpha - 2 - u$"

p680 Final equation of (14.87), last term.
Replace $+\frac{1}{4}$ by $+\frac{1}{16}$

p681 RHS of Eq. (14.89)
Delete "ll" and replace by "l"

p689 Eq. (14.117)
On RHS, replace "s^{2u+2}" by "$s^{2\mu+2}$"

p690 Eq. (14.126)
Replace E by $\tilde{E}$, put a comma at the end of the equation, and write
where $\tilde{E}(z)$ refers to $E(z)$ with the contribution from the background subtracted.

p692 3 lines above (14.138)
Replace "Exercises 1.4 q.4" by "Exercises 1.4 q.7"

p696 Exercises 14.6 q.1, 2nd line. Replace
"$0 \ll s - n \ll s$" by "$0 \ll \rho s - n \ll s\rho$"

p697 Exercises 14.6 q.6, first displayed equation. Replace
$> x_n \cdots x_1$ by $> x_n \cdots > x_1$

p697 Exercises 14.6 q.6, final line of text on bottom of page.
add to end of text "...so that" to read "...so that with $k = p/(2N + 1)$"

Chapter 15

p700 Eq. (14.160).
The last bracket should go on the other side of dx'.

p700 Two displayed equations below (14.160).
Delete factor of ρ before the integral.

p701 fifth line of text in opening paragraph
Replace "antisphere" with "pseudosphere"

p704 Eq.(15.13). Missing a factor $|a_N|^2$ in the exponent.

p705 Exercises 15.1 Q2.(ii). In the first displayed equation
replace " $\vec{q}^T$" with " $\vec{q}^\dagger$"

p705 Exercises 15.1 Q2.(ii). In the second displayed equation, remove brackets from around the $d\cdot$'s.

p705 Exercises 15.1 Q2.(iii). In the first and third displayed equations, replace $\mathbf{1}_{2N-2}$ by $a\mathbf{1}_{2N-2}$

p705 Exercises 15.1 Q4. In the first sentence replace
"general degree" by "general monic degree".
In the second displayed equation, last entry of final matrix, replace $b\vec{q}^T$ by $\vec{q}^T$.

p710 Exercises 15.2 Q4.(i). Replace
"$A = a\cosh\xi_b$ and $B = a\sinh\xi_b$" by "$A = (a/2)\cosh\xi_b$ and $B = (a/2)\sinh\xi_b$"

p712 First line
replace "2dOCP" is by "2dOCP with Γ even.

p712 RHS of displayed equation at the bottom of page.
Replace "$e^{-j^2/2N}$" by "$e^{j^2/2N}$"

p713 Eq. (15.55)
Replace $\Gamma(x)$ by $\Gamma(j)$.

p713 Prop. 15.3.5, 1st line of first displayed equation
Replace "$-N$" by "$-\sqrt{N}$" in two places.

p713 Prop. 15.3.5, first displayed equation, second line.
Delete factor of π^{-n} immediately after the equals sign.

p714 Second displayed equation.
Replace "$\mathbf{C} := [\langle p'_j p'_l\rangle_{\mathbf{L}}]_{j,l=1,\ldots,k}$" by "$\mathbf{C} := [\langle p'_j \bar{p}'_l\rangle_{\mathbf{L}}]_{j,l=1,\ldots,k}$"

p716 First line
replace "(4.186) (with $\beta = 2$)" by (4.184).

p716 Exercises 15.3 Q1(iv)
Replace "(4.179)" by "(4.178)"

p717 Exercises 15.3 Q4.(ii), denominator of second displayed equation
Replace the exponent "Γ" by "$\Gamma/2$"

p719 Right hand side of eq. (15.76)
Replace "$\frac{16}{(\pi\Gamma)^3}$" with "$\frac{16}{(\pi\Gamma)^2}$"

p719 Right hand side of eq. (15.77)
Replace "$\frac{18}{(\pi\Gamma)^4}$" with "$\frac{18}{(\pi\Gamma)^3}$"

p721 RHS of (15.87)
Change last term from "$-\frac{\Gamma}{4}\rho\rho_{(1)}(0)$" to "$-\frac{\Gamma N}{4}\rho\rho_{(1)}(0)$"

p721 RHS of displayed equation below (15.87)
Change "$-\rho_{(1)}(0)\Big(\frac{2N}{\Gamma\rho^2\pi}\Big)\Big(\rho_{(1)}(R) - (1-\Gamma/4)\rho - \frac{N\Gamma\rho}{4}\Big)$"
to "$+\rho_{(1)}(0)\Big(\frac{2N}{\Gamma\rho^2\pi}\Big)\Big(\rho_{(1)}(R) - (1-\Gamma/4)\rho\Big)$"

p721 RHS of (15.88)
Replace by $\rho^T_{(2)}(0,R) + \frac{\Gamma\rho}{2R^2}\int_{|\vec{r}|<R} r^2\rho^T_{(2)}(\vec{0},\vec{r})\,d\vec{r} + \rho\rho_{(1)}(0)\Big(1-\frac{\Gamma}{4}\Big)$

p725 Exercises 15.4 Q3. Beginning of RHS of displayed equation. Replace
"$-e^{-\pi\rho r^2}$" by "$1 - e^{-\pi\rho r^2}$"

p725 Exercises 15.4 Q3. Second line of text. Replace
"$\mathrm{Ei}(x) := \int_x^\infty (e^{-t}/t)\,dt$" by "$\mathrm{Ei}(x) := \int_{-\infty}^x (e^t/t)\,dt$"

p733 Eq. (15.128)
Replace "$|z_j - z_k|^\Gamma$" with "$|\frac{z_j}{2R} - \frac{z_k}{2R}|^\Gamma$"

p735 eq. (15.138)
Delete the "," before "$I_{n-1,p-1}$"

p738 lines above and below (15.148).
Repalce "distance" by "squared distance"

p742 Proof of Prop. 15.7.2 eq. (15.168)
replace "I" with "J"

p753 Third line of text below eq. (15.205)
Replace "with $i = j > k$ (15.204)" with "with $i = j < k$ (15.204)"

p755 Displayed equation for $b_{j,k}$.
RHS needs to have a factor of i before the integral.

p757 Eq. (15.224)
Replace "$\frac{\Gamma(N-2;xy)}{\Gamma(N-1)}$" with "$\frac{\Gamma(N-1;xy)}{\Gamma(N-1)}$"

References

p765 [5] Replace "Virasora" by "Virasoro"

p772 [217] The title should be "Correlation functions for random involutions"

p775 [302] Insert pg. 546

p776 [334] Replace "Ann. Math. Stat." by "Ann. Stat."

Index

p785 The index for Cauchy-Binet indexing should be p262

p787 Under Hermite
Replace "Placheral-Rotach formula" with "Placherel-Rotach formula"

p789 Under Laguerre
Replace "Placheral-Rotach formula" with "Placherel-Rotach formula"