(4 September 2001)

**Errata for "Quantum Groups"[1] by Christian Kassel**

**Copyright Page (page iv):** add streetname to the address of author, namely "7 rue René Descartes", on a separate line before "67084 Strasbourg".

**Chapter I:**

- page 5, Proposition I.1.2: In Items (iii) and (iv) replace "an $A$-linear map" by "a surjective $A$-linear map"
- page 17, line 11: The correct formula for Formula (7.8) is

$$c_i = \sum_{p=0}^{n} a_p \sum_{k=0}^{p} S_{p,k}(b_{i-p+k})$$

- page 17, line 10 from bottom: Replace $P = \sum_{i=0}^{n} t^i a^i$ by $P = \sum_{i=0}^{n} t^i a_i$
- page 18, line 6: Read "Exercise 10" instead of "Exercise 8"
- page 19, lines 1–2: Replace $\varphi_{-1}$ by $\varphi^{-1}$ (twice)
- page 19, line 3 from bottom, and page 20, line 2: Replace $a_{d,i}$ by $a_{n,i}$
- page 19, line 1 from bottom: Replace $P_{d,i}$ by $P_{n,i}$
- page 20, line 16 (Exercise 4): Remove "without zero divisors"
- page 21, line 10: Delete the dot at the end of the line
- page 21, Exercise 10 (b): After "Show that" insert ", if $\delta$ is surjective, then"
- page 22, line 3 from bottom: Read "[MR87], 1.2.11" instead of "[MR87], 2.11"

**Chapter II:**

- page 25, line 4: Replace $q_i : U_i \to \bigoplus_{i\in I} U_i$ by $q_j : U_j \to \bigoplus_{i\in I} U_i$
- page 25, line 11 from bottom: Replace $p_i : \prod_{i\in I} V_i \to V_i$ by $p_j : \prod_{i\in I} V_i \to V_j$
- page 27, line 18: Read $\{u'_i\}_{i\in I'}$ instead of $\{u_i\}_{i\in I'}$
- page 29, line 13: In Formula (3.3) read $\displaystyle\sum_{i,j}$ instead of $\displaystyle\sum_{ij}$
- page 31, line 18: Read $\displaystyle\sum_{i,j}$ instead of $\displaystyle\sum_{ij}$
- page 31, lines 8–9 from bottom: At the beginning of Proposition II.3.5 replace "the composition of the maps" by "the value of the following composite map at 1:"
- page 32, line 4: After "We also have" read $\mathrm{tr}(\mathrm{tr}_2(f)) = \mathrm{tr}(\mathrm{tr}_1(f)) = \mathrm{tr}(f)$.
- page 32, line 4 from bottom: Replace "Therefore, by (4.2)" by "By (4.2)"
- page 34, line 9: Replace $\oplus_{n\geq 0}$ by $\bigoplus_{n\geq 0}$ (typed \bigoplus)
- page 37, line 4 from bottom: Replace $\sigma(\alpha) = \varepsilon(\sigma)\sigma(\alpha)$ by $\sigma(\alpha) = \varepsilon(\sigma)\alpha$

[1] Graduate Texts in Mathematics, vol. 155, Springer-Verlag, New York, 1995,
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**Chapter III:**

- page 44, line 10: Replace $\sum_{(x)}$ by $\displaystyle\sum_{(x)}$
- page 45, line 5 from bottom: The box marking the end of a proof should be removed from this place and appear instead at the end of line 2 of page 46
- page 48, line 11: Replace $v_{\tau(p)}$ by $v_{\tau(p+1)}$, and $v_{\tau(n-1)}$ by $v_{\tau(n)}$
- page 48, line 13: Replace "permuting the set $\{1,\ldots,n\} \setminus \{p\}$" by "mapping the set $\{1,\ldots,n\} \setminus \{p\}$ onto $\{1,\ldots,n-1\}$"
- page 48, line 10 from bottom: The correct permutation is

$$\begin{pmatrix} 1 & 2 & \ldots & n-p & n-p+1 & n-p+2 & \ldots & n \\ p+1 & p+2 & \ldots & n & 1 & 2 & \ldots & p \end{pmatrix}$$

- page 48, Definition III.2.5: The first sentence should read: "Let $(C,\mu,\eta,\Delta,\varepsilon)$ be a bialgebra."
- page 50, line 13: Replace $\eta\varepsilon$ by $\eta \circ \varepsilon$
- page 50, line 3 from bottom: Read "A linear endomorphism" instead of "An endomorphism"
- page 51, line 12–13: These two lines should be

$$\begin{aligned}\sum_{(x)} x^{(1)} \otimes x^{(2)} S(x^{(3)}) \otimes x^{(4)} \otimes x^{(5)} &= \sum_{(x)} x^{(1)} \otimes \varepsilon(x^{(2)})1 \otimes x^{(3)} \otimes x^{(4)} \\ &= \sum_{(x)} x^{(1)} \otimes 1 \otimes x^{(2)} \otimes x^{(3)}.\end{aligned}$$

- page 52, line 6 from bottom: Read $\eta(\varepsilon \otimes \varepsilon)$ instead of $\eta\varepsilon$. Replace also "(1.21), (2.1) and (3.2)" by "(2.1), (3.2) and (3.3)"
- page 53, line 14: Replace "(1.21)" by "(3.3)"
- page 56, line 12 from bottom (Proposition III.3.7): Remove "invertible"
- page 57, line 7: Replace "cocommutative" by "commutative"
- page 57, line 8: Replace "(I.4.4)" by "(II.4.4)"
- page 57, line 10 from bottom: Replace "it follows" by "they follow"
- page 57, line 9 from bottom: The rightmost matrix in Formula (4.3) should read

$$\begin{pmatrix} \varepsilon(a)1 & \varepsilon(b)1 \\ \varepsilon(c)1 & \varepsilon(d)1 \end{pmatrix}$$

- page 57, line 8 from bottom: Replace $\varepsilon(t)$ by $\varepsilon(t)1$
- page 61, line 8: Replace the right-hand side of the equality by $(a\,\mathrm{id}_V)(v)$ (in other words, put a blank space between $a$ and $\mathrm{id}_V$)
- page 62, line 12 from bottom: Replace $N \otimes C \to N$ by $N \to N \otimes C$
- page 62, lines 2–3 from bottom: Replace "right $C^*$-module" by "right $(C^*)^{\mathrm{op}}$-module"
- page 63, lines 3–4: Replace "of $A^*$-comodule" by "of a left $(A^*)^{\mathrm{cop}}$-comodule"
- page 64: Read $\displaystyle\sum_{(f(x))}$ instead of $\displaystyle\sum_{(x)}$ in the right-hand side of Formula (6.14)

- page 67, Exercise 3: Remove Parts (b) and (d); then rename Part (c) as Part (b)
- page 68, line 11: Replace "vector space" by "coalgebra"
- page 68, line 14: Replace $T(V)$ by $T(V^*)$
- page 68, line 16: The right-hand side of the equality should be

$$\sum_{\sigma} v_{\sigma^{-1}(1)} \otimes \cdots v_{\sigma^{-1}(p+q)}$$

- page 68, lines 19–21: Replace "show that $S'(V)$ and $\Lambda'(V)$ are subbialgebras of $T'(V)$ whose graded duals are the bialgebras $S(V)$ and $\Lambda(V)$ respectively." by "show that $S'(V)$ is a subbialgebra of $T'(V)$ whose graded dual is the bialgebra $S(V^*)$."
- page 68, lines 6–7 from bottom (Exercise 7): Replace "*An example of a non-commutative, non-cocommutative Hopf algebra*" by "*Sweedler's four-dimensional, non-commutative, non-cocommutative Hopf algebra*"
- page 68, line 2 from bottom: Replace $\epsilon(x)$ by $\varepsilon(x)$
- page 69, line 4: Replace $*$ by $\star$
- page 69, line 11: Replace $\psi^n = S^{*n}$ by $\psi^n = S^{*(-n)}$
- page 69, line 14: Replace $\psi^n \circ \psi^m = \psi^{n+m}$ by $\psi^n \circ \psi^m = \psi^{nm}$
- page 69, line 16: This line should start with "Let $H = k[G]$ be a group algebra."
- page 69, line 13 from bottom: Replace $\psi^n(c)$ by $\psi^n(d)$ in the lower right corner of the matrix in the left-hand side of the equality
- page 69, line 11 from bottom: Replace $\psi^n(c)$ by $\psi^n(d)$ in the lower right corner of the matrix in the left-hand side of the equality. The matrix

$$\begin{pmatrix} d & -b \\ -c & a \end{pmatrix}^n$$

in the right-hand side of the equality should be replaced by

$$\begin{pmatrix} d & -b \\ -c & a \end{pmatrix}^{-n}$$

- page 70, line 14: Read $\sum_{j\in I} c_i^j \otimes x_j$ instead of $\sum_{j\in I} c_i^j x_j$ (tensor product sign was missing)
- page 71, line 15 from bottom: Replace $\rho_i$ by $\rho$ (twice)
- page 71, line 4 from bottom: Replace $H \otimes M$ by $H \otimes N$ (twice)

**Chapter IV:**

- page 73, line 11 from bottom: Replace "the proof of (i)" by "the proof of (a)"
- page 74, line 6 from bottom (Proposition IV.2.1): In (c) replace "We also have" by "For $0 < k < n$ we also have"
- page 77, line 10 from bottom: Replace $e_q(a)$ by $e_q(a\tau_q)$
- page 81, line 11, and page 82, line 9 from bottom: Replace "Corollary I.7.2" by "Corollary I.7.4"
- page 83, line 4: Replace "neither commutative" by "neither commutative (when $q \neq 1$)"

• page 83: After Formula (5.5) insert the sentence: "The tensor product of matrices means here that we first multiply them, then replace the multiplication in the entries of the product matrix by a tensor product symbol."

• page 86, line 4: Replace $ad$ by $da$

• page 86: Between line 4 and line 5 insert

$$= q\big(ac \otimes x^2 + (qbc + ad) \otimes xy + bd \otimes y^2\big)$$

• page 86, line 16: The rightmost equality should read $(d \otimes y)(c \otimes x) = q^2\ (c \otimes x)(d \otimes y)$

• page 86, line 12 from bottom: The rightmost equality should read $\Delta_A(y)^j = (c \otimes x + d \otimes y)^j$.

• page 86, line 1 from bottom: Read $u(\lambda v) = \overline{\lambda} u(v)$

• page 87, lines 2 and 4: Replace $^*$ by $*$ (twice)

• page 87, line 3 from bottom: The statement of Theorem IV.8.3 should begin with "If $q$ is a nonzero real number, then"

• page 87, line 1 from bottom: Replace $b^* = -qtc$ by $b^* = -q^{-1}tc$ and $c^* = -q^{-1}tb$ by $c^* = -qtb$

• page 88, line 13: Read

$$(S\gamma)\begin{pmatrix} a & b \\ c & d \end{pmatrix} = t\begin{pmatrix} d & -q^{-1}c \\ -qb & a \end{pmatrix}.$$

• page 89, line 4 from bottom: Read $\xi'\eta' + q\,\eta'\xi'$ instead of $\xi\eta + q\,\eta\xi$

**Chapter V:**

• page 95, line 2 from bottom: Replace $f' : L \to L''$ by $f' : L' \to L''$

• page 96, line 6: Replace "the identity of" by "the identity map of"

• page 97, line 3 from bottom: In the upper left corner of the square in the proof of Proposition V.2.4 there should be $L$, not $C$

• page 101, line 13: Replace "and $\lambda$ be" by "and $\lambda \in k$ be"

• page 101, line 14: Delete $\in k$

• page 102, line 18 from bottom: Replace "if and only $i = 0$." by "if and only if $i = 0$."

• page 103, line 6: Replace "and $v_2$ onto $Y$." by "and $v_2$ onto $-Y$."

• page 104, line 8, and page 105, line 7: Read "Proposition I.1.2" instead of "Proposition I.1.3"

• page 116, line 5: The first line of this series of equalities should be

$$(uf)(x^i y^{n-i}) = \big(\varphi(u)f\big)(x^i y^{n-i})$$

• page 116, line 6: Replace $(u \otimes f)$ by $(\varphi(u) \otimes f)$

• page 119, line 1 from bottom: Replace "Since $*$ is a coalgebra morphism" by "Since $*$ preserves comultiplication"

• page 120, line 8: Replace $iH$ by $C = \frac{i}{2}H$

**Chapter VI:**

- page 123, line 1: Read "There is a unique algebra automorphism $\omega$ of $U_q$ such that"
- page 123, lines 4–5 from bottom: Replace $\alpha_1$ by $\alpha_0$ (three times)
- page 123, line 1 from bottom: Replace "and the relation $FK = q^2KF$." by "and the relations $FK = q^2KF$ and $KK^{-1} = K^{-1}K = 1$."
- page 124, line 2: Read "an $\alpha_1$-derivation $\delta$ of $A_1$." ($\delta$ was missing)
- page 124, line 12: Read "Corollary I.7.4" instead of "Corollary I.7.2"
- page 126, line 9 from bottom: Replace the whole line by "Relations (2.5–2.6) and the first relation (2.7) imply that $K$ is central. The second relation (2.7) yields $K^2 = 1$,"
- page 126, line 5 from bottom: Replace "$K$ to $K$," by "$K$ and $K^{-1}$ to $K$,"
- page 128, line 13: Replace "$U$-modules" by "$U_q$-modules"
- page 132, line 10: In the right-hand side of Formula (4.2) a minus sign should be turned into a plus sign so that the formula becomes

$$\varphi(C_q) = \frac{qK + q^{-1}K^{-1}}{(q-q^{-1})^2}.$$

- page 132, line 14 from bottom: Replace "and $P_k, \ldots, P_\ell$ are non-zero Laurent polynomials in $K$." by "and $P_k, \ldots, P_\ell$ are Laurent polynomials in $K$ with $P_k$ and $P_\ell$ nonzero."
- page 133, line 5: Replace $v_n$ by $v_{n-1}$ in the middle term
- page 137: In Formula (5.8) delete "$i$," under the summation signs $\sum$ (twice)

**Chapter VII:**

- page 144, line 5 from bottom: Replace $\varepsilon_i q^2 \neq \varepsilon_j$ by $\varepsilon_i q^2 \neq \pm 1$
- page 145, line 20: Replace "Proposition I.1.3" by "Proposition I.1.2"
- page 146, line 3: Replace $(Ef)(Kv$ by $(Ef)(Kv)$ (parenthesis missing)
- page 147, line 8: Replace "six" by "eight"
- page 147, Proposition VII.3.2 (a): Between Line 12 and Line 11 counted from bottom insert the following relations:

$$\frac{\partial_q}{\partial x} x_r = q^{-1} x_r \frac{\partial_q}{\partial x} + \sigma_y \sigma_x = q x_r \frac{\partial_q}{\partial x} + \sigma_y \sigma_x^{-1},$$

$$\frac{\partial_q}{\partial y} y_\ell = q^{-1} y_\ell \frac{\partial_q}{\partial y} + \sigma_y \sigma_x = q y_\ell \frac{\partial_q}{\partial y} + \sigma_y^{-1} \sigma_x,$$

- page 148, line 9 from bottom: Add "of the form $V_{1,n}$" at the end of the sentence
- page 149, line 7 from bottom: Delete $q^{-p}$ in the right-hand side
- page 151, line 8: Replace "of degree $> 2$" by "of degree $\geq 2$"
- page 151, lines 1, 5, 9 from bottom: Replace "of degree $> 2$" by "of degree $\geq 2$"
- page 152, line 4: Replace "of degree $> 2$ in $E$ and $F$" by "of degree $\geq 2$ in $E$ or $F$"
- page 155, lines 9–10 from bottom: Read "The antiautomorphism $T$" instead of "The automorphism $T$"
- page 156, line 3: Read "By definition of $v_i$ and by (6.1) we have"

- page 157, line 3 from bottom: Replace $\sum_{i=0}^{p}$ by $\sum_{i=0}^{p-1}$
- page 157, line 1 from bottom: Replace $\sum_{i=0}^{p}$ by $\sum_{i=1}^{p}$
- page 158, line 2: Replace $\sum_{i=0}^{p}$ by $\sum_{i=1}^{p}$
- page 158, line 1 from bottom: Replace the right-hand side of Formula (7.4) by

$$\frac{1}{[k+1]}\Big([j+1]q^{-(n-2i)}\begin{bmatrix} n & m & n+m-2p \\ i & j & k \end{bmatrix} + [i]\begin{bmatrix} n & m & n+m-2p \\ i-1 & j+1 & k \end{bmatrix}\Big).$$

- page 159, line 9: Read

$$= \sum_i \Big(\alpha_i[p-i+k+1]q^{-(n-2i)} + \alpha_{i-1}[i]\Big) v_i^{(n)} \otimes v_{p-i+k+1}^{(m)}.$$

- page 163, line 6: The correct formula for $\Delta(E_i)$ is $\Delta(E_i) = 1 \otimes E_i + E_i \otimes K_i$
- page 163, line 7 from bottom: Replace "of IV.9" by "of IV.10"

**Chapter VIII:**

- page 168, line 7: Remove the dot at the end of Formula (1.1)
- page 168, line 15: Read "symmetric group" instead of "symmetry group"
- page 169, line 1: Read "the set $\{v_0, v_1 = Fv_0\}$"
- page 170: The (6,7)- and (7,6)-entries of the lowest big matrix should be $-\alpha\beta\gamma$
- page 172, line 4: Replace $[j > k]$ by $[i > k]$ in the second term
- page 173, line 10 from bottom: Replace "where $y_i^{(k_j)} = x_i^{(j)}$ for any $j \leq p$ and" by "where $y_i^{(k)} = x_i^{(j)}$ if $k = k_j$ for $j \leq p$ and"
- page 175, line 8: Replace $\tau(R)$ by $\tau_{H,H}(R)$
- page 175, line 9: Replace "quasi-commutative" by "quasi-cocommutative"
- page 175, line 14: Replace $(\mathrm{id}_H \otimes \Delta^{\mathrm{op}})(R)$ by $(\mathrm{id}_H \otimes \Delta^{\mathrm{op}})(\tau_{H,H}(R))$
- page 178, line 6: Delete "$(\alpha)$," under the summation signs $\sum$ (twice)
- page 182, line 14 (Proposition VII.4.3): Replace "If $H$ is a quasi-cocommutative Hopf algebra, then" by "If $H$ is a quasi-cocommutative Hopf algebra with invertible antipode, then"
- page 182, line 4 from bottom: The first sentence should read: "We now assume that $H$ is *braided* and has an invertible antipode."
- page 183, line 1 (Proposition VII.4.5): Replace "If $H$ is a braided Hopf algebra, then" by "If $H$ is a braided Hopf algebra with invertible antipode, then"
- pages 184–185, Definition VIII.5.1: Replace $*$ by the symbol $\star$ for convolution (seven times)
- page 186, line 8 from bottom: Exchange $v_H$ and $w_H$ in the right-hand side
- page 186, line 4 from bottom: Exchange $(v_V)_H$ and $(w_W)_H$
- page 187, line 9: The left-hand side of the equality should begin with $\sum_{(v)(w)}$

- page 190, line 4: Read "vanishes in $A(c) \otimes V \otimes V$."
- page 191, line 2 (Theorem VIII.6.4): Replace "is a solution" by "is a bijective solution"
- page 192, line 12: Read "for all $x, y, z$ in $A(c)$ we have"
- page 195, line 2 from bottom: Replace $r(d \otimes d)$ by $r(c \otimes d)$
- page 195, line 1 from bottom: Replace $r(d \otimes b)$ by $r(c \otimes b)$
- page 196, line 1: Replace $b \otimes d$ by $b \otimes c$
- page 197, lines 2 and 8: Replace $*$ by $\star$ (six times)

**Chapter IX:**

- page 201, line 1 from bottom: The last formula should read $Z = (z^Y)^{-1}z = z^{-1}z = 1$.
- page 204, lines 2 and 4: Delete 1 in the right-hand side of the formulas (2.6) and (2.7)
- page 206, line 5: Replace $x''''$ by $x'''$
- page 207, line 12: Replace $x \otimes a$ by $a \otimes x$
- page 209, line 5 from bottom: Replace $\sum\limits_{(x)}$ by $\sum\limits_{(S^{-1}(x))}$
- page 211, line 11, and page 213, line 7 from bottom: Replace $\varepsilon$ by $\varepsilon^*$ and $\eta$ by $\eta^*$
- page 211, line 8 from bottom, and page 213, line 6 from bottom: Replace $(H, X)$ by $(X, H)$
- page 211, line 4 from bottom: Replace $\varepsilon(a)$ by $\varepsilon(a)1$
- page 212, line 11: Delete $\varepsilon(a)\varepsilon$ in the second term of the formula
- page 213, line 1: Replace $f(1)$ by $f(1)1$
- page 213, line 8: Replace $\sum\limits_{(a)(f)}$ by $\sum\limits_{(a)}$
- page 214, line 9: Replace "and $a, b \in H$." by "and $a \in H$."
- page 215, line 4 from bottom: The second equality should read

$$a \cdot (fg) = \sum_{(a)} (a' \cdot f)(a'' \cdot g)$$

- page 217, line 8: Move $e_i$ to the left in order to obtain

$$= \varepsilon(b)v(1) \sum_{(c)} u\Big(\Big(\sum_{i \in I} e^i(c')e_i\Big)\Big(\sum_{j \in I} e^j(S(c''))e_j\Big)\Big)$$

- page 217, line 8 from bottom: Replace $D(H) \otimes D(H) \otimes D(H)$ by $(H \otimes X)^{\otimes 3}$
- page 217, line 4 from bottom: Delete "$(a)$," under the second summation sign $\sum$ in Formula (4.7)
- page 217, line 1 from bottom: Replace $\sum\limits_{i \in I}$ by $\sum\limits_{i \in I, (e_i)}$
- page 224, line 9: Replace "Proposition VI.5.7" by "Proposition VI.5.8"
- page 224, line 8 from bottom: Replace $\sum\limits_{r=1}^{r=d-1}$ by $\sum\limits_{r=1}^{d-1}$

- page 225, lines 2 and 3 from bottom: Replace $\sum_{r=0}^{r=m}$ by $\sum_{r=0}^{m}$ (twice)
- page 226, line 7: Replace $\sum_{r=0}^{r=m}$ by $\sum_{r=0}^{m}$
- page 227, line 6 from bottom: Insert "and" in front of "of $\alpha \in X$"
- page 227, lines 5 and 6 from bottom: Replace $\alpha$ by $\beta$ (four times)
- page 229, line 4 from bottom: Replace "Theorem 4.3." by "Theorem 4.4."
- page 230, line 2: Replace "Conditions (VIII.2.1–2.3)." by "Conditions (VIII.2.1–2.4)."
- page 230, line 4 from bottom: Read $\frac{1}{(i)!_{q^2}}$ instead of $\frac{1}{(m)!_{q^2}}$
- page 231, line 12: Replace $R$ by $\overline{R}$ (twice)
- page 231, lines 5 and 9 from bottom: Replace $R$ by $\overline{R}$
- page 232, line 6: Replace $R$ by $\overline{R}$
- page 232, line 6 from bottom: Replace $R$ by $\overline{R}$
- page 234, line 11: Replace $0 < n < d$ by $0 \leq n < d-1$
- page 234, line 8 from bottom: Replace $c^{\overline{R}}_{V_n,V_m}$ by $c^{\overline{R}}_{V_n,V_n}$
- page 235, line 3: Delete "$i, j$," under the summation sign $\sum$
- page 237, line 11 from bottom: Replace $H^{*cop}$ by $H^{*\mathrm{cop}}$ ("cop" to be set in Roman)

**Chapter X:**

- page 242, line 9: Read $a_0 + a_1 z_1 + \cdots + a_m z_m$ (a plus sign was missing)
- page 250, line 3: Read "an isotopy $h$ of $\mathbf{R}^2$ such that"
- page 254, line 10: Delete "of $\mathcal{K}$"
- page 255, lines 7–8: Replace "shows the necessity for $y$ to be invertible (unless $x = \pm 1$ as in the case of the Conway polynomial)." by "shows the necessity for $y$ to divide $x - x^{-1}$."
- page 258, line 5: Replace "Given a tangle $L$" by "Given an oriented tangle $L$"
- page 262, line 6 from bottom: Read "the plane" instead of "theplane"
- page 263, line 6: Remove "distinct"
- page 265, line 6: Remove dot after $\sigma_{i+1}\sigma_i\sigma_{i+1}$ and insert a new line between Line 6 and Line 7 with the text "if $i \leq n-2$."
- page 265, line 7: Remove blank space in front of period
- page 266, line 2: Read "$\rho(w)$ depends only on the isotopy class of the initial braid."
- page 267, line 9 (Lemma X.6.10): Replace $f \mapsto \sigma(f)$ by $L \mapsto \sigma(L)$
- page 268, line 6: Replace "Define $f_i(z)$" by "Define $f_i(t)$"
- page 268, line 7: Replace $\mathbf{R}^2 \times \{z\}$ by $\mathbf{R}^2 \times \{t\}$
- page 268, line 13 from bottom: Replace "the composition of tangles" by "the composition of braids"
- page 268, line 10 from bottom: Read $L' \circ L$ instead of $L' \circ L$x (delete "x")
- page 272, line 3: Replace "for framed links." by "for framed nonoriented links."
- page 272, line 1 from bottom: Remove bracket ] after $(k, 1, 1/2)$
- page 274, line 4: Read "is a homotopy from $f_1$ to $f_3$."

**Chapter XI:**

- page 275, line 2 from bottom: Replace

$$\mathrm{Hom}(\mathcal{C}) \times_{\mathrm{Ob}(\mathcal{C})} \mathrm{Hom}(\mathcal{C}) \to \mathrm{Ob}(\mathcal{C}) \qquad \text{by} \qquad \mathrm{Hom}(\mathcal{C}) \times_{\mathrm{Ob}(\mathcal{C})} \mathrm{Hom}(\mathcal{C}) \to \mathrm{Hom}(\mathcal{C})$$

- page 276, line 12 from bottom: Read $(V, W) \in \mathrm{Ob}(\mathcal{C}) \times \mathrm{Ob}(\mathcal{D})$ instead of $(V, W) \in \mathcal{C} \times \mathcal{D}$
- page 277, line 3: Read $g \circ h = gh$ instead of $h \circ g = gh$
- page 283, lines 1–2 from bottom: Replace "of Lemma XI.2.2." by "of Lemma 2.2."
- page 286, lines 1 and 3: Read $(A, \mu, \eta, \Delta, \varepsilon)$ instead of $(A, \varphi, \eta, \Delta, \varepsilon)$
- page 286, line 12 from bottom: Replace "of integers" by "of nonnegative integers"
- page 286, line 6 from bottom: In Formula (3.4) replace the tensor symbol $\otimes$ by the product symbol $\times$ (twice)
- page 288, lines 10–11: Read "if $(F, \varphi_0, \varphi_2)$ and $(F', \varphi_0', \varphi_2')$ are composable tensor functors, then ..." ("composable" was missing)
- page 289, line 5: Replace "an object $F(V)$ of $\mathcal{C}$" by "an object $F(S)$ of $\mathcal{C}$"
- page 289, line 16: Replace "category equivalent" by "category tensor equivalent"
- page 289, line 6 from bottom: Delete "natural"
- page 289, line 3 from bottom: Replace $l_S$ by $l_{F(S)}$
- page 289, line 2 from bottom: Replace $r_S$ by $r_{F(S)}$
- page 289, line 1 from bottom: The end of the formula should read $F(S * (V))$
- page 290, line 5: Replace $\mathrm{id}_S$ by $\mathrm{id}_{F(S)}$
- page 290, line 6: Replace $\mathrm{id}_{S''}$ by $\mathrm{id}_{F(S'')}$
- page 290, line 8: Replace $\mathrm{id}_S$ by $\mathrm{id}_{F(S)}$
- page 290, lines 9–14 from bottom: Replace $\mathrm{id}_S$ by $\mathrm{id}_{F(S)}$ (six times, once per line)
- page 290, lines 6 and 7 from bottom: Replace $\mathrm{id}_{S''}$ by $\mathrm{id}_{F(S'')}$ (once per line)
- page 290, line 5 from bottom: Replace $\mathrm{id}_{S''*(V)}$ by $\mathrm{id}_{F(S''*(V))}$
- page 291, line 4: Read $f * f'$ instead of $f * g$
- page 292, line 6 from bottom: Read "Exercise 4" instead of "Exercise 3"
- page 293, line 4: Read "for all integers $m, n, p, q \geq 0$." ("$\geq 0$" was missing)

**Chapter XII:**

- page 295, line 17 from bottom: Read "Define a word of rank $\leq n + 1$"
- page 295, line 16 from bottom: Insert "(if $\bar{b}$ and $\bar{a}$ are composable)" after "$a \circ b$"
- page 296, line 11: Replace $b(f_i) = s(f_{i+1})$ by $s(f_i) = b(f_{i+1})$
- page 296, line 17: Add ", where $f_i \in \mathcal{F}$." on an extra line after Line 17
- page 297, line 11: Read $b_1, \ldots, b_k$, $c_1, \ldots, c_\ell$ (commas were missing)
- page 297, line 11: Replace $[\mathrm{id}_V] \circ [f] \circ [\mathrm{id}_W]$ by $[\mathrm{id}_V] \otimes [f] \otimes [\mathrm{id}_W]$
- page 297, line 17: The first formula should read:

$$b_i \otimes [\mathrm{id}_T] \sim [\mathrm{id}_V] \otimes [f] \otimes [\mathrm{id}_{W \otimes T}]$$

whereas the second formula should read:

$$[\mathrm{id}_S] \otimes c_i \sim [\mathrm{id}_{S \otimes V'}] \otimes [f'] \otimes [\mathrm{id}_{W'}]$$

- page 297, line 18: Read "for some $f, f' \in \mathcal{F}$ and $V, W, V', W' \in \mathrm{Ob}(\mathcal{C})$."
- page 297, line 4 from bottom: The full line should read: "for any pair $(a, b)$ of words in $\mathcal{F}$, and any morphism in $\mathcal{C}$ is of the form $\overline{a}$, where $a$ is a word in $\mathcal{F}$."
- page 298, lines 14 and 19: Replace "set" by "class"
- page 303, line 17: Read "(see Figures 2.2, 2.3 and Figure X.3.10)."
- page 305, line 8: Replace "the fourth one is a Reidemeister Transformation (III)" by "the fourth one is a conjunction of Reidemeister Transformations (II) and (III)"
- page 306, line 4 from bottom: Replace $F(X_+) = c = c^+$ by $F(X_+) = c$ (delete $= c^+$)
- page 308, end of line 14: Replace $\rho_n^c(\sigma)$ by $\rho_n^c(\sigma_i)$
- page 308, line 8 from bottom: Replace "(II.3.12)" by "Proposition II.3.5"
- page 309, line 2 from bottom: In Relation (4.6.d) replace the first id without subscript by $\mathrm{id}_V$ and the second one by $\mathrm{id}_{V^*}$
- page 310, line 13: Replace "identity matrices" by "inverse to each other"
- page 310, line 8 from bottom: Replace $(\mathrm{id} \otimes \alpha^*)$ by $(\mathrm{id}_V \otimes \alpha^*)$
- page 311, line 1 from bottom: This line should not be indented

**Chapter XIII:**

- page 322: The caption of Figure 2.3 should read "*Proof of Relation (1.5)*" and the caption of Figure 2.4 should read "*Proof of Relation (1.6)*" (parentheses were missing)
- page 324, line 8: Replace "where $\varphi_2$ stands for $\varphi_2(V, V)$." by "where $\varphi_2$ stands for $\varphi_2(V, V)$, $\varphi_2(V, V \otimes V)$, or $\varphi_2(V \otimes V, V)$."
- page 325, line 11: In "a functor $Tens(\mathcal{B}, \mathcal{C}) \to YB(\mathcal{C})$" the font of "$Tens$" should be as in Theorem XIII.3.3
- page 326, line 15: Replace "and of the definition of tensor functors." by "of the definition of tensor functors, and of the fact that $f$ is a morphism in $YB(\mathcal{C})$."
- page 328: Replace $F(n) \otimes F(m)$ by $F(m) \otimes F(n)$ in the lower left corner of the square (3.14)
- page 329, line 13: Insert $a$ between $(\mathrm{id} \otimes \varphi_2)$ and $c_{F(n),F(m)\otimes F(1)}$
- page 329, line 14: Insert $(\mathrm{id} \otimes \varphi_2)a(\varphi_2^{-1} \otimes \mathrm{id})$ between $\varphi_2$ and $c_{F(n),F(m+1)}$
- page 329, line 14 from bottom: Read "the commutativity of $(C_{1,m})$" instead of "the commutativity of $(C_{1,n})$"
- page 331, line 12 from bottom: Change $c_{X,V}$ into $c_{X,W}$
- page 332, line 8: Replace $c_{-,V}$ by $c_{-,W}$
- page 332, lines 12–13 from bottom: Read "because $F$ is a strict tensor functor." ("strict" was missing)
- page 335, line 4: Replace $\sum_{(v),i}$ by $\sum_i$
- page 336, line 11 from bottom: Replace $(\Delta \otimes \mathrm{id}_A)$ by $(\Delta \otimes \mathrm{id}_{D(A)})$
- page 337, Exercise 2: Read "(H2)" instead of "H(2)". The label of the lower horizontal arrow of the square is $c_{U,V} \otimes \mathrm{id}_{Y \otimes X}$
- page 337, line 9 from bottom: Read "for all nonnegative integers" ("nonnegative" was missing)

**Chapter XIV:**

- page 342: After Figure 1.10, insert the sentence "We leave the pictorial interpretation of the Hexagon Axiom (XIII.1.5–1.6) to the reader."
- page 347, line 15 from bottom: Read "For any left $A$-module $V$, endow..." ("$V$" was missing)
- page 347, line 8 from bottom: Read "of II.2–3." instead of "of II.3."
- page 350, Figure 3.6: Exchange $\theta_V$ and $\theta_W$ in the two lower right boxes
- page 355, Figure 4.2: There is $\doteq$ missing between the first two upper left pictures. In the lower left picture, the double point should be a negative crossing.
- page 358, line 5: Insert "and of the braiding" after "of the twist"
- page 359, line 3 from bottom: Delete "first" and replace "which corresponds" by "corresponding"
- page 359, line 2 from bottom: Delete "second"
- page 360, line 3: Replace $F_V(+)$ by $F_V((+))$ (parentheses missing)
- page 360, line 16 from bottom: Replace $G^{\otimes n} \to G^{\otimes m}$ by $G^{\otimes m} \to G^{\otimes n}$
- page 361, line 15: Replace $\sum_i t_i S^2(t_i)$ by $\sum_i t_i S^2(s_i)$ in Relation (6.2)
- page 361, line 11 from bottom (Definition XIV.6.1): Replace "a central element" by "an invertible central element"
- page 365, line 17: Read $e_a e_b = \delta_{a,b}\, e_a$ (the last $e_a$ was missing)
- page 365: Insert the following text (as Part (e) of Exercise 4) between Line 6 and Line 5 counted from bottom:

(e) Find a ribbon algebra $D$ and a $D$-module $V$ whose quantum dimension is any given negative integer.

- page 365, line 1 from bottom: In the last equation replace $\zeta \circ S = S$ by $\zeta \circ S = \zeta$
- page 365, line 6 from bottom: the two hyphens should be obtained by typing \hyphen

**Chapter XV:**

- page 369, line 9 from bottom: Remove ) after $W$
- page 371, line 3: Add "$\varepsilon'\alpha = \varepsilon$," at the end of the line
- page 371, line 11: Read "We characterize braided quasi-bialgebras" ("bi" was missing)
- page 373, line 2: Replace "$F$ of $A$" by "$F \in A \otimes A$"
- page 373, line 12: Delete one superfluous "that"
- page 373, line 19: Replace $F_{23}^{-1}$ at the end of the line by $F_{12}^{-1}$
- page 376, line 18: Replace $(\varphi_2^F(V,W))^{-1}$ by $(\varphi_2^F(W,V))^{-1}$
- page 378, line 8: Read "Let $A' = (A', \Delta', \varepsilon', \Phi', R')$ be another braided quasi-bialgebra." ("quasi-" was missing)
- page 378, lines 15–16: Replace the sentence "The main result of this section asserts that these representations are equivalent." by the sentence "Theorem 3.9 has the following immediate consequence."
- page 378, lines 17–20: Theorem XV.4.2 should be rephrased as follows:

**Theorem XV.4.2.** *If $A$ and $A'$ are equivalent braided quasi-bialgebras, then the braid group representations $\rho_n^A$ and $\rho_n^{A'} : B_n \to \mathrm{Aut}(V^{\otimes n})$ are equivalent.*

• page 378, line 21 to the bottom of the page: Delete the part of Section XV.4 after Theorem XV.4.2 and replace it by the following sentence: "A formula for the equivalence stated in the theorem can be derived from Section 7 in [TL00]."

• page 379, line 9 from bottom: Replace $< S^{-1}(\alpha)v_i, v^j >$ by $< v^j, S^{-1}(\alpha)v_i >$

**Chapter XVI:**

• page 386, line 4: Read "From (1.2)" instead of "From (1.1)"

• page 387, line 3: Replace $a_n = a_n^{(n+2)} = a_n^{(n+3)}$ by $a_n = a_n^{(n+1)} = a_n^{(n+2)}$

• page 387, line 15 from bottom: Replace $|0| = 0$ by $|f| = 0$

• page 388, line 11: Insert "of $0 \in \widetilde{M}$" after "a family of open neighbourhoods"

• page 388, line 13 from bottom: In Formula (2.2) read $\widetilde{M}/h^n\widetilde{M}$ instead of $\widetilde{M}/h^n\widetilde{M^n}$

• page 389, line 3 from bottom: Replace "$K$-linear" by "$\mathbf{C}$-linear"

• page 390, line 2: Read $V[[h]]$ (a right bracket ] was missing)

• page 390, line 12: Read "Choose a vector subspace $V$ of $M$" ("$V$" was missing)

• page 391, line 11: Replace "completions." by "the topological tensor product."

• page 393, line 6: Replace $\tilde{\tau}_{A,A'}$ by $\tilde{\tau}_{A',A}$ and the second $\mathrm{id}_A$ by $\mathrm{id}_{A'}$

• page 393, line 7: Replace $\tilde{\tau}_{A,A'} : A\tilde{\otimes}A' \to A'\tilde{\otimes}A$ by $\tilde{\tau}_{A',A} : A'\tilde{\otimes}A \to A\tilde{\otimes}A'$

• page 393, line 12: Replace "$K$-linear maps" by "morphisms of topological algebras"

• page 393, line 15 from bottom: Replace $1 \otimes 1$ by $1 \tilde{\otimes} 1$ in the right-hand side of (4.13)

• page 393, line 10 from bottom: Add the identity $\varepsilon' f = \varepsilon$ to the identities in (4.14)

• page 396, line 1 from bottom: Replace $a$ by $x$ three times in (5.10)

• page 398, line 11 from bottom: Remove ", due to the centrality of $z$"

• page 398, lines 2–3 from bottom: Replace "a unique family $(c_n)_{n>0}$ of complex numbers" by "a unique element $1 + \sum_{n>0} c_n a^n h^n \in A$ "

• page 400, line 17 from bottom (Exercise 3): Replace the equations $[t_{12}, t_{13}] = [t_{13}, t_{23}] = 0$ by $[t_{12}, t_{13}] = [t_{13}, t_{23}] = [t_{12}, t_{23}] = 0$

• page 400, line 15 from bottom: Replace $(U\mathfrak{g}[[h]])_F$ by $U(\mathfrak{g})[[h]]_F$

• page 400, line 12 from bottom: Replace "left" by "right"

**Chapter XVII:**

• page 407, line 12 from bottom: Replace "from $A$" by "from $K\langle X\rangle$"

• page 407, line 4 from bottom: The first equation is $[r]_q! = [1]_q[2]_q \ldots [r]_q$

• page 408: In Formula (2.5) replace $e^{\lambda a_{ij}}$ by $e^{\lambda h a_{ij}}$ and $e^{-\lambda a_{ij}}$ by $e^{-\lambda h a_{ij}}$

• page 409, line 13 from bottom: Replace $\sum_{1\leq \ell \leq n}$ by $\sum_{1\leq i\leq n}$

• page 411, line 15 from bottom: Read "for any link $L$ of order $d$." ("$L$" was missing)

• page 412, line 12: There is a minus sign missing in Formula (3.8): it should read $\theta = e^{-hC_h/2}$.

• page 414, line 11: In Formula (4.9) replace $e^{2\Delta_1}$ by $e^{-2\Delta_1}$

• page 415, line 9 from bottom: In Formula (4.11) a tensor product symbol $\otimes$ is missing between $\Delta_M^{m,n,p}(x)$ and $H^m E^n$

• page 419, line 2 from bottom: Replace $U_h\mathfrak{g}$ by $U_h(\mathfrak{g})$ (parentheses missing)

**Chapter XVIII:**

- page 428: In order to avoid any confusion with the parameter $h$, replace the letter $h$ by $\gamma$ for the map $C^n(\mathfrak{g}, M) \to C^{n-1}(\mathfrak{g}, M)$ (once in line 2, twice in line 3, once in line 7, once in line 10, once in line 12, once in line 13, once in line 14, twice in line 16)
- page 432, line 8: Read "in the remaining case $i = n+1$." instead of "in the remaining cases."
- page 433, line 2 from bottom: Replace $T^\bullet(C)_-$ by $T^\bullet_-(C)$
- page 442, line 2 from bottom: Remove bracket ] at the end of the line
- page 444, line 11 from bottom: The end of the line should read $\Phi^{-1} - h^n\varphi$ instead of $\Phi - h^n\varphi$
- page 446, lines 7–9 from bottom (Exercise 4): The correct version is: "Let $N$ be the element $N = 1 + t + \cdots + t^{n-1}$ of $A$. Show that

$$\cdots \xrightarrow{1-t} A \xrightarrow{N} A \xrightarrow{1-t} A \xrightarrow{N} A \xrightarrow{1-t} A,$$

together with the augmentation morphism $\varepsilon : A \to k$, is a resolution of $k$ by free left $A$-modules."

- page 447, lines 12, 13, 15 from bottom: Replace $d$ by $\delta$ (five times).
- page 447, line 12 from bottom: Replace $C^*$ by $C^\bullet$
- page 448, line 13: Replace the last $f_{-1}$ by $f_0$

**Chapter XIX:**

- page 451, line 9: Replace the whole line by "for any $\omega \in \Omega^p(X)$ and any $\omega' \in \Omega^\bullet(X, E)$."
- page 457, line 14: The correct version of Formula (3.10) is

$$\rho_n^{\mathrm{KZ}}(\sigma_i)(v_1 \otimes \ldots \otimes v_n) = D\, \tau^{i,i+1}\big(e^{ht_{i,i+1}/2}(v_1 \otimes \ldots \otimes v_n)\big)\, D^{-1}$$

- page 457, line 15: Insert " and $D = \exp(\frac{h}{2\pi\sqrt{-1}} \sum_{j<k} \ln(k-j)\, t_{jk})$ " after " $\tau^{i,i+1} = \mathrm{id}_{V^{\otimes(i-1)}} \otimes \tau_{V,V} \otimes \mathrm{id}_{V^{\otimes(n-i-1)}}$ "
- page 458, line 17: Read "$\mathrm{Aut}_{\mathbf{C}[[h]]}(V^{\otimes n}[[h]])$" (bracket ] was missing)
- page 460, lines 1–2 from bottom: Delete the last sentence, the one starting with "The latter implies ..."
- page 461, line 15: Read "The maps $\Delta_h^\alpha$ and $\Delta_h$ are algebra morphisms"
- page 467, line 15: The exponent of $h$ should be $p_1 + q_1 + \cdots + p_k + q_k$
- page 469, line 11 from bottom: Put $\bar{h}$ in front of $\sum\limits_{1\leq i<j\leq n}$
- page 470, line 6: Insert "and $t_{12} + t_{23} + t_{13}$ commutes with $t_{12}$ and $t_{23}$" after "$= z - 1$"
- page 480, line 7 from bottom: In the right-hand side of Formula (11.5) replace

$$\int_a^b \omega_{\sigma(1)} \ldots \omega_{\sigma(n+m)} \qquad \text{by} \qquad \int_a^b \omega_{\sigma^{-1}(1)} \ldots \omega_{\sigma^{-1}(n+m)}$$

- page 482, line 7 from bottom: In Formula (11.17) replace $\int_0^1 \Omega_1.$ by $\int_0^x \Omega_1.$
- page 482, line 5 from bottom: Remove the dot at the end of the line

**Chapter XX:**

- page 484, line 2: Replace "prove that all quantum group invariants are of finite type." by "show how certain knot invariants considered in Chapter X lead to invariants of finite type."
- page 485, line 10 from bottom: Read "an important source" instead of "the main source"
- page 485, Proposition XX.1.2 should be rephrased as follows:

**Proposition XX.1.2** *Let $P$ be a link isotopy invariant with values in $V[[h]]$, where $V$ is a complex vector space. Suppose that for any crossing point of a link $L$ we have*

$$P(L_+) - P(L_-) = h\big(f_1(h)P(L_1) + \cdots + f_k(h)P(L_k)\big),$$

*where $f_1(h), \ldots, f_k(h)$ are formal power series and $L_1, \ldots, L_k$ are links differing from $L$ only in the neighbourhood of the crossing. Then $P$ is of finite type.*

- page 485, line 2 from bottom: Insert the following sentences in front of "An easy induction on $m$ shows…":

"Therefore, we can define a new isotopy invariant $P'$ on singular links $L$ with one double point by $P(L) = hP'(L)$. The invariant $P'$ verifies the same condition as $P$ in the statement of the proposition. Consequently, its extension to singular links with two double points will satisfy: $P'(L)$ is divisible by $h$, hence $P(L)$ is divisible by $h^2$ whenever $L$ is a singular link with two double points."

- page 486: Delete lines 3–11 from "As a consequence of Proposition 1.2" to "Then use Proposition 1.2". Also delete the square indicating the end of proof at the end of Line 11
- page 486, line 12: Delete "also"
- page 486, lines 18 and 19: Replace these lines by "and $y(h)$ in the variable $h$ such that $x(h) - 1$ is divisible by $y(h)$ and $y(h)$ is divisible by $h$."
- page 486: Replace Line 20 by the following text: "A quick computation leads to

$$P(L_+) - P(L_-) = h\left(x(h)\frac{y(h)}{h}P(L_0) + \frac{1 - x(h)}{h}(1 + x(h))P(L_+)\right),$$

which allows"

- page 486, lines 3–7 from bottom: Replace the two sentences "Given a complex vector space $V$ and… enough to consider complex-valued invariants" by the single sentence:

"Given a non-negative integer $m$, we denote by $\mathbf{V}^{(m)}$ the complex vector space of all knot invariants of degree $\leq m$ with values in $\mathbf{C}$."

- page 487, line 9 from bottom: Replace "for all chord diagram with $m$ chords." by "for any chord diagram $D$ with $m$ chords."
- page 488, line 5: Read $1 + \sum_{k=1}^{m}(2k-1)!!$. ($2m - 1$ is to be replaced by $2k - 1$)
- page 488, Figure 2.1: Vertical lines should be thicker.
- page 489, line 6–8: Replace the three sentences "Let $K$ be an embedding of… into two distinct unrelated parts." by the two sentences:

"Let $D$ be a chord diagram with an isolated chord. It is possible to find an embedding $K$ of $D$ such that the double point of $K$ corresponding to the isolated chord separates $K$ into two distinct unrelated parts."

- page 489, line 19: Delete "$= 0$" in Formula (2.6)

- page 490, line 9: Replace the dot at the end of the line by ;
- page 494, line 3: Replace $\oplus_{m\geq 0}$ by $\displaystyle\bigoplus_{m\geq 0}$
- page 494, lines 11–12: Replace "by a well-known result of Milnor and Moore [MM65]," by "by a well-known result of Leray's (see [MM65]),"
- page 494, line 14 from bottom: In the table the value of $d_m$ for $m = 0$ should be 0, not 1
- page 495, line 17 from bottom: Replace "a natural family of endomorphisms" by "a family of natural endomorphisms"
- page 499, line 3: The right-hand side of Formula (6.1) should be

$$\Phi(h\,t_{U,V} \otimes \mathrm{id}_W, h\,\mathrm{id}_U \otimes t_{V,W}),$$

- page 500, line 13: In Formula (7.3) the expression $\Phi(t_{V^*,V}, t_{V,V^*})$ should be replaced by $\Phi(h\,t_{V^*,V} \otimes \mathrm{id}_{V^*}, h\,\mathrm{id}_{V^*} \otimes t_{V,V^*})^{-1}$
- page 501, lines 13–17 from bottom: Replace the five sentences "This is the universal invariant... This is done using (1.1)." by the three sentences:

"Let us check that $Z$ is the universal invariant we are looking for. It suffices to check Relation (2.10). Extend the invariant $Z$ to singular knots using (1.1)."

- page 502, line 16 from bottom: Replace $\sum_j$ by $\sum_i$
- page 502, line 11 from bottom: Replace $F_V(+)$ by $F_V((+))$
- page 503, line 14: In Formula (8.6) replace $F_D(V)$ by $F_V(D)$
- page 504, line 9 (Theorem XX.8.3): The right-hand side of Formula (8.8) should be

$$\dim_q(\widetilde{V})\ \frac{\sum_{m\geq 0} w_{\mathfrak{g},V}(Z_m(K))h^m}{\sum_{m\geq 0} w_{\mathfrak{g},V}(Z_m(O))h^m}$$

- page 504, line 10: Insert "$O$ is the trivial knot with trivial framing and" after "where"
- page 505, line 12: Read "approach" instead of "approch"

**References:**

- page 520: Between Ref. [Tan90] and Ref. [Trj33] insert the following additional reference:

[TL00] V. Toledano Laredo. A Kohno-Drinfeld theorem for quantum Weyl groups. To appear in *Duke Math. J.*

The following references should be updated as shown below.

- Reference [BN92] page 507: Replace "Harvard University, 1992. *Topology*, to appear." by "*Topology* **34** (1995), 423–472. MR 97d:57004."
- Reference [Con70] page 509: Replace "New York" by "Oxford"
- Reference [KT92] page 514: Replace "Preprint, I.R.M.A., Strasbourg, 1992. *Acta Math.*" by "*Acta Math.* **175** (1995), 1–48. MR 96m:18015"
- Reference [KT94] page 514: In the title replace "for ribbon graphs" by "of tangles and graphs". Also replace "Preprint, I.R.M.A., Strasbourg, 1994." by "*Duke Math. J.* **92** (1998), 497–552."
- Reference [LM93a] page 514: Replace "Preprint, M.P.I. Bonn, 1993." by "*Nagoya Math. J.* **142** (1996), 39–65. MR 97d:57009."

• Reference [LM93b] page 514: Replace "Preprint, M.P.I. Bonn, 1993." by "*Topology Appl.* **62** (1995), 193–206. MR 96c:57017."

• Reference [LM93c] page 514: Replace "Preprint, M.P.I. Bonn, 1993." by "*Comm. Math. Phys.* **168** (1995), 535–562. MR 96c:57016."

• Reference [Piu92] page 516: Replace "Preprint, 1992." by "*J. Knot Theory Ramifications* **4** (1995), 163–188."

• Reference [Piu93] page 517: Replace "Harvard University, Preprint, 1993." by "*Comm. Math. Phys.* **168** (1995), 1–22. MR 97b:57009."

• Reference [Sta92] page 519: Replace "Columbia University, Preprint, 1992." by "*Topology* **35** (1996), 1027–1050."

• Reference [Sta93] page 519: Replace "Preprint, 1993." by *Pacific J. Math.* **174** (1996), 269–276. MR 97i:57008."

• Reference [Wor88] page 521: Replace "twisted" by "Twisted" (capital T)

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