ERRATUM TO "GAUSS SUM INVARIANTS, VASSILIEV INVARIANTS AND BRAIDING SEQUENCES"

J. Knot Theory Ramifications **9(2)** (2000), 221–269.

The assertion in the parenthesized final sentence of example 4.1 is not correct. What is true is that the Alexander polynomial of a knot K which is the closure of a braid square is not a square, so that by [R. Hartley and A. Kawauchi, Polynomials of amphicheiral knots, Math. Ann. **243(1)** (1979), 63–70] K is not strongly +achiral.

The assertion in example 5.3 is also incorrect. The fact used in its argumentation that the Kinoshita-Terasaka/Conway knots make the only non-trivial mutation with both knots of ≤ 11 crossings is false, and in fact 3 other pairs arise by crossing changes from the diagrams given.

The reference to [76, example 7.1] in example 2.2 must be updated to example 10.2. Also, the parametrization of twist vectors has changed. See the footnote in example 10.2 of the update of [76].

ERRATUM TO "ON FINITENESS OF VASSILIEV INVARIANTS AND A PROOF OF THE LIN-WANG CONJECTURE VIA BRAIDING POLYNOMIALS"

J. Knot Theory Ramifications **10(5)** (2001), 769–780.

Beside some typographical misprints (e.g. 'Vassiliev invariant' should read 'Vassiliev invariants' at some places), with Lemma 2.1 stated and proved as printed, throughout §3, '$2k^2-k$' must be replaced by '$2k^2$', and '$2k^2+k$' by '$2k^2+2k$'. The reason is that in Lemma 2.1 we proved that for a given number k of crossings, the desired simplifications exist only when the diagram D has at least $n_0+k=2k^2+1$, and not $n_0=2k^2-k+1$, crossings. For this same reason, 'n_0' must be replaced by 'n_0+k' in the proof of lemma 2.2. However, by a different argument one can show that one can set $n_0=2k^2-2k+1$, so the statements in §3 are correct as printed. Details appear in my paper "Polynomial and polynomially growing knot invariants".

ERRATUM TO "THE SIGNATURE OF 2-ALMOST POSITIVE KNOTS"

J. Knot Theory Ramifications **9(6)** (2000), 813–845.

- The diagram genus as defined after Proposition 1.1 is equal to

$$\text{genus(canonical Seifert surface)} + \#\text{components} - 1\,.$$

- For that reason in Corollary 2.2 '$g(L) \geq 2$' must be replaced by '$g(L) \geq 1$'.
- Lemma 3.2: D is assumed to be an *almost positive* knot diagram etc.
- Case 3.1 (of proof of Theorem 1.1): n is the negative crossing on the loop.
- The genus 3 diagrams in Case 3.1.2 can be dealt with more simply by remarking that all almost positive 10 crossing diagrams of 10_{145} remain of $\sigma \geq 2$ after switching any crossing.
- second knot picture (with markings a, b) in Case 3.2: There is also a loop at the crossing adjacent to segments δ and γ, but this crossing is negative, so the loop move at it is not minimal by an argument as in Lemma 3.3 (and does not give a genus 0 diagram in whichever way a and b are connected).
- The knot picture at end of Case 3.3: loop crossing of loop M was wrongly switched.

ERRATUM TO "THE JONES POLYNOMIAL, GENUS AND WEAK GENUS OF A KNOT"

Ann. Fac. Sci. Toulouse **VIII(4)** (1999), 677–693.

- Formula (8) has a small misprint: the second term on the right must be multiplied by t.
- The reference [St3] was updated to "Polynomial and polynomially growing knot invariants". More specifically, §6 in [St3] is now §5 in the new paper, the old lemma 6.1 is the new lemma 5.1, the old theorem 6.2 is now theorem 4.1.
- The reference [St], "Knots of genus two" hes since been reorganized. Theorem 9.3 referred to is now Theorem 9.2. Conjecture 9.1 was apparently removed.

ERRATUM TO "THE GRANNY AND THE SQUARE TANGLE AND THE UNKNOTTING NUMBER"

Topol. Appl. **117** (2002), 59–75.

The reference [St], "Knots of genus two" hes since been reorganized. §10.2 referred to is now §10.4.

ERRATUM TO "ON UNKNOTTING NUMBERS AND KNOT TRIVADJACENCY",

partly joint with Nikos Askitas

Mathematica Scandinavica **94(2)** (2004), 227–248.

These are remarks on the second galley proof (which at parts already repeat remarks forgotten on the first galley proof) one seems to have ignored.

- reference 20: Strongly n-trivial knots, Bull. London Math. Soc. **34(4)** (2002), 431–437.
- reference 43: Polynomial values, the linking form and unknotting numbers, preprint math.GT/0405076.
- p248 replace line −3,−4:
  c/o Gentcho Stoimenov
  Postfach 16 07 30
  60070 Frankfurt am Main
- p237 replace D by d (5 times)
- I told in first galley proof of end-of-proof marks. Please put end-of-proof marks or, when the proof has ended, say "QED" or "The proof is now complete."

ERRATUM TO "ON THE COEFFICIENTS OF THE LINK POLYNOMIALS"

Manuscr. Math. **110(2)** (2003), 203–236.

The reference given to [St7] ("Some applications of Tristram-Levine signatures") is to be updated: "Newton-like polynomials of links", Enseign. Math. (2) **51(3-4)** (2005), 211–230.

ERRATUM TO "THE ALEXANDER POLYNOMIAL OF PLANAR EVEN VALENCE GRAPHS",

joint with Kunio Murasugi

Adv. Appl. Math. **31(2)** (2003), 440–462.

The reference given to [St6] ("Some applications of Tristram-Levine signatures") in the proof of part 12 of theorem 3 is to be updated: "Newton-like polynomials of links", Enseign. Math. (2) **51(3-4)** (2005), 211–230.

ERRATUM TO "DECIDING MUTATION WITH THE COLORED JONES POLYNOMIAL"

joint with Toshifumi Tanaka

Proceedings of the conference
"Topology of Knots VIII" in Waseda Univ., 23–26 Dec. 2005

We claimed that we could calculate the 2-cable Kauffman polynomials of the knots 14_{41739} and 14_{42126} (and that the polynomials failed to distinguish the knots). This claim is not correct - we could not calculate these polynomials. (The program of Millett-Ewing we used for the calculation reveals a series of bugs at high crossing number diagrams.)

ERRATUM TO "PROPERTIES OF CLOSED 3-BRAIDS AND BRAID REPRESENTATIONS OF LINKS"

Springer Briefs in Mathematics (2017), ISBN 978-3-319-68148-1

Corollary 6.2 needs this correction: replace $6g-4$ by $6g-3$ and allow braid index *at most b*.

ERRATUM TO "ON POLYNOMIALS AND SURFACES OF VARIOUSLY POSITIVE LINKS"

Jour. Europ. Math. Soc. **7(4)** (2005), 477–509.

On page 489, Theorem 2 states that in an almost-positive diagram D, if there IS another crossing connecting the same two Seifert circles as the negative crossing, then the minimum degree of the Jones polynomial is at least $(1-\chi(D))/2$, and if there is NO other such crossing, then the minimum degree is $(-1-\chi(D))/2$. It should be exactly to other way around. I am grateful to Lizzie Buchanan for pointing out this typo.

REFERENCES THAT CHANGED TITLE

For various reasons it seems to become almost impossible to keep the title of a preprint the way it is referred to from previous publications until the preprint itself is published. The below list tries to collect how an old referenced paper changed in title resp. the titles of several papers into which the material of the old referenced paper was split up:

"Knots of genus two" → "Knots of (canonical) genus two"

"Polynomial and polynomially growing knot invariants" → "Application of braiding sequences I: On the characterization of Vassiliev and polynomial link invariants", "Application of braiding sequences II: invariants of positive links"

"Alexander polynomials and hyperbolic volume of arborescent links" → "Realizing Alexander polynomials by hyperbolic links"