

CORRIGENDUM TO: A FAST ALGORITHM FOR CALCULATING S -INVARIANTS

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Table 1 in [Sch21] claims to list all knots K with up to 15 crossings for which one entry of $s^{\text{Sq}^1}(K)$ differs from $s^{\mathbb{F}_2}(K)$. However, the table is incomplete. We list the missing knots in Table 1' below.

Knot	s^{Sq^1}	$s^{\mathbb{F}_2}$	$s^{\mathbb{F}_3}$
15n154386	(2, 2, 0, 0)	0	2
15n165952	(2, 2, 0, 0)	0	2
15n165966	(2, 2, 0, 0)	0	2
15n166064	(2, 2, 0, 0)	0	2
15n166244	(0, 0, -2, -2)	0	-2

TABLE 1'. Prime knots with non-standard s^{Sq^1} missing from Table 1.

The original computation was done in batches of 10,000 knots. It appears that only the first 150,000 non-alternating 15-crossing knots were checked. A subsequent computation confirmed the results in Table 1, but also found the knots in Table 1' among the remaining 18,030 non-alternating 15-crossing knots.

REFERENCES

[Sch21] Dirk Schütz, *A fast algorithm for calculating S -invariants*, Glasg. Math. J. **63** (2021), no. 2, 378–399. MR 4244204

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