

The knot 12a990 is ribbon

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Abstract. Herald, Kirk and Livingston showed that the knot 12a990 is slice. Indeed, they showed that the connected sum of 12a990 with $T(2,3)$ and $T(2,-3)$ is ribbon, where $T(2,3)$ and $T(2,-3)$ are right- and left-handed trefoils. We observe that 12a990 is ribbon and generalize this fact. The rest of the time, we study homotopically slice knots obtained from unknotting number one ribbon knots by applying annulus twists. This is a joint work with In Dae Jong and Motoo Tange.