1037-55-183   **Jacqueline A Jensen*** (`jensen@shsu.edu`), Dept. of Mathematics and Statistics, Box 2206, Huntsville, TX 77341-2206. *Whitehead Doubles of Knots with Certain Underlying Polyhedra.*

Canonical genus is frequently hard to compute. In the case of Whitehead doubles of knots, Tripp conjectured that the canonical genus is equal to the crossing number of the original knot. This has previously been shown to be true for torus knots (Tripp) and 2-bridge knots (Nakamura). We extend this result to arborescent knots and, more generally, to knots with certain underlying polyhedra. (Received February 01, 2008)

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