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998-57-421 **Gyo Taek Jin*** (trefoil@kaist.ac.kr), Department of Mathematics, KAIST, 305-701 Daejeon, South Korea. *Quadriseccants of knots with small crossing number*. Preliminary report.

A quadriseccant is a straight line that meets a given knot at four distinct points. According to Pannwitz, every nontrivial knot has at least two quadriseccants. The minimal number of quadriseccants is estimated for knots with small crossing number. For each of those knots used for the estimation, the polygonal knot approximation with vertices the quadriseccant points is of the same knot type. (Received March 02, 2004)