

**On Tripp's conjecture about the canonical genus for
Whitehead doubles of alternating knots**

Sang Youl Lee

Pusan National University

Abstract. In 2002, J. Tripp conjectured that the minimal crossing number of a knot coincides with the canonical genus of its Whitehead double. In this talk, I'd like to introduce a family of alternating knots for which Tripp's conjecture holds.