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Charles Livingston and **Cornelia A. Van Cott*** (cvancott@usfca.edu). *Concordance of Bing doubles and boundary genus.*

In 2008, Cha and Kim proved that if a knot K is not algebraically slice, then no iterated Bing double of K is concordant to the unlink. We observe that if K has nontrivial signature σ , then the n^{th} -iterated Bing double of K is not concordant to any boundary link with boundary surfaces of genus less than $2^{n-1}\sigma$. The same result holds with σ replaced by 2τ , twice the Ozsváth-Szabó knot concordance invariant. (Received February 24, 2011)