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Title: The Conway knot has infinite concordance order

Abstract: A knot in the 3-sphere is slice if it bounds a smoothly embedded disc in the 4-ball. The set of knots modulo slice knots forms an abelian group under connected sum, called the concordance group. Although the study of this group has advanced in recent years, particularly since the advent of Heegaard Floer and Khovanov homology, its structure remains mysterious. For instance, its torsion subgroup is still not understood. In joint work with Chiara Donatone, Marc Kegel and Lukas Lewark, we examine how satellite operations and an operation called twisting can help us determine the order of specific knots in the concordance group. As an application, we show that the Conway knot has infinite concordance order.