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Title: 4-genus bounds from the $10/8+4$ theorem

Abstract: Donald and Vafaee described a way to use Furuta's $10/8$ theorem to obstruct sliceness in the 4-ball. Throung used a refinement, the $10/8 + 4$ theorem of Hopkins-Lin-Shi and Hu to strengthen this sliceness obstruction. We will show how to expand this technique to obtain lower bounds for four-ball genus and present some calculations for satellite knots. This is joint work in progress with Sashka Kjuchukova and Linh Troung.