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Andrew Donald* (adonald@math.msu.edu) and **Faramarz Vafaee**. *A slicing obstruction from Furuta's 10/8 theorem.*

An obstruction to a knot being smoothly slice can be derived from Furuta's 10/8 theorem via spin structures on the 3-manifold obtained by 0-surgery. We will discuss applications of this method to examples of twisted torus knots. (Received January 20, 2015)