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Ian M Banfield* (ian.banfield@bc.edu), Department of Mathematics, Maloney Hall, Boston College, Chestnut Hill, MA 02467. *Constructing tight fibered links.*

A fibered link is tight if it induces the tight contact structure on S^3 . I will give a braid-theoretic construction for tight fibered links and explain how this algebraic condition is equivalent to a very nice geometric condition on Seifert surfaces. This class of links generalizes the notion of positive braid closures and I will discuss their properties, including some ongoing research. Lastly, we relate this class to a conjecture on the geometric meaning of annular Khovanov homology. (Received January 11, 2017)