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Wang. *Tight tensors.*

To study the complexity of the matrix multiplication tensor, Strassen introduced a class of tensors that vastly generalize it, the tight tensors. Tight tensors are essentially tensors with a "good" positive dimensional symmetry group. In this talk, I will discuss combinatorial and geometric consequences of tightness. This is joint work with A. Conner, JM Landsberg, and Y. Wang. (Received February 08, 2018)