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Pavel Etingof, Ryan Kinser* (ryan-kinser@uiowa.edu) and **Chelsea Walton.** *Tensor algebras in finite tensor categories.*

Path algebras of quivers are examples of tensor algebras in the category of vector spaces. Working in more general tensor categories, like representations of a group or Hopf algebra, accommodates situations like a quiver with a graded action of a group or Hopf algebra. I will summarize some results from a recent paper where we lay the framework for the general study of tensor algebras in finite tensor categories. (Received March 05, 2021)