

1164-14-82

**Michael Brown** and **Daniel Erman\***, [derman@math.wisc.edu](mailto:derman@math.wisc.edu), and **David Eisenbud** and **Frank Schreyer**. *Short virtual resolutions on toric varieties*.

I will discuss a method for constructing short virtual resolutions of coherent sheaves on toric varieties. This is an application of new results about BGG correspondences and Tate resolutions for toric varieties. This is joint work with Michael Brown, David Eisenbud, and Frank Schreyer. (Received January 13, 2021)