

1163-13-1059

**Özgür Esentepe\*** ([ozgur.esentepe@uconn.edu](mailto:ozgur.esentepe@uconn.edu)). *Annihilators of cluster tilting modules in singularity categories.*

We consider a commutative Gorenstein ring and the ideal consisting of elements which annihilate every sufficiently high Ext-module between any two modules. This ideal defines the singular locus of the ring. We investigate the equality between this ideal and annihilators of cluster tilting modules in the singularity category. (Received September 14, 2020)