

1163-16-589

**Daniel Yee\*** (yeedo@uwec.edu), **Xingting Wang** and **Jason Bell**. *Dixmier-Moeglin  
Equivalence and Morita Invariance*.

We say that a Noetherian algebra  $R$  over a field satisfies the Dixmier-Moeglin equivalence (DME) if the annihilators  $P$  of simple  $R$ -modules are locally closed in the spectrum of  $R$  and the center of the Goldie ring of quotients of  $R/P$  is an algebraic extension of the base field. We show that DME is Morita invariant: if two Noetherian algebras are Morita equivalent, and if one satisfies DME then the other algebra satisfies DME. We also generalize the notion of Morita equivalence and obtain a similar result. (Received September 10, 2020)