

**Kashu, A. I.**

**Morita contexts and closure operators in modules.** (English) [Zbl 1428.16005](#)  
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Summary: The relations between the classes of closure operators of two module categories  $R\text{-Mod}$  and  $S\text{-Mod}$  are studied in the case when an arbitrary Morita context  $(R, {}_R U_S, {}_S V_R, S)$  is given. By the functors  $\text{Hom}_R(U, -)$  and  $\text{Hom}_S(V, -)$  two mappings are defined between the closure operators of these categories. Basic properties of these mappings are investigated.

**MSC:**

- 16D90 Module categories in associative algebras
- 16S90 Torsion theories; radicals on module categories (associative algebraic aspects)
- 06A15 Galois correspondences, closure operators (in relation to ordered sets)
- 16D10 General module theory in associative algebras

**Keywords:**

functor; natural transformation; Morita context; closure operator

**Full Text:** [Link](#)

**References:**

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