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Epireflective subcategories and formal closure operators

In [1], a general notion of a closure operator on a faithful functor is introduced. This notion allows us to better understand and unify several results linking special types of closure operators to epireflective subcategories. During the talk, I will introduce the notion of a closure operator on a faithful functor, along with the notion of a formal closure operator, and discuss several results of [1].

References:

[1] M. Duckerts-Antoine, M. Gran and Z. Janelidze, *Epireflective subcategories and formal closure operator*, Theory and Applications of Categories, Theory Appl. Categ. 32 (2017), No. 15, 526–546.