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Pedro A Guil Asensio, Derya Keskin Tutuncu and Ashish K Srivastava*
(asrivas3@slu.edu), 221 N. Grand Blvd., Saint Louis, MO 63103. *Modules invariant under automorphisms of their covers and envelopes.*

We will discuss the theory of modules which are invariant under automorphisms of their covers and envelopes. When applied to specific cases like injective envelopes, pure-injective envelopes, cotorsion envelopes, projective covers, or flat covers, these results extend and provide much more succinct proofs for various results existing in the literature. Our technique is based on several key observations on the additive unit structure of von Neumann regular rings. (Received May 27, 2015)