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Amy Danielle Schmidt* (amy.schmidt@hamptonu.edu), 100 E Queen St, Department of Mathematics, S&T Room 318, Hampton University, Hampton, VA 23668. *Fixed Rings: Minimal Ring Extensions and FIP and FCP Extensions.*

Let $R \subset T$ be a unital extension of commutative rings. Let G be a subgroup of the automorphism group of a ring T such that R is G -invariant. We say a property of the extension $R \subset T$ is *invariant (under G)* if the extension of fixed rings $R^G \subset T^G$ has the property. We continue the investigation of determining such invariant properties. One such property is minimality. We also consider the finite chain property (FCP) and finite intermediate algebra property (FIP) and related properties of ring extensions. (Received September 12, 2016)