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Richard Hasenauer and **Bethany Kubik*** (bakubik@d.umn.edu). *τ -Factorization and τ -Elasticity*. Preliminary report.

A more generalized form of factorization, called τ -factorization, was introduced in 2011 by D.D. Anderson and J. Reinkoester. In τ -factorization, all factors of a factorization must belong to the same equivalence class modulo a fixed ideal. We discuss τ -factorization in small settings and τ -elasticity in a more general setting. (Received January 25, 2019)