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Lindsey Hill* (hill178@purdue.edu) and **Rachel Lynn**. *Specialization of Integral Closures of Ideals by General Elements*. Preliminary report.

J. Hong and B. Ulrich proved that the integral closure of an ideal of height at least 2 is compatible with specialization by *generic elements*, allowing one to use induction on the height of the ideal to prove results about integrally closed ideals. This technique's applications are limited by the fact that one must extend the base ring to a polynomial ring or localization thereof in order to define generic elements. We have shown that the integral closure of an ideal of height at least 2 is compatible with specialization by *general elements*, allowing one to induct on the height of the ideal without extending the ring. This is based on joint work with Rachel Lynn. (Received January 26, 2020)