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Craig Huneke* (huneke@virginia.edu), VA 22904. *The Containment Problem for Symbolic Powers*. Preliminary report.

This talk will be a report on work in progress, joint with E. Grifo and V. Mukundan, that proves the following theorem: if I is a reduced ideal in a regular ring containing a field and defining a Gorenstein quotient, then the resurgence of I is strictly less than its codimension. As a consequence, the ideal satisfies the stable Harbourne conjecture. (Received January 21, 2020)