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William M. McGovern* (mcgovern@math.washington.edu), Box 354350, University of Washington, Seattle, WA. *Rational singular loci of nilpotent varieties.*

We will give two methods for computing the rational singular loci of nilpotent varieties (closures of nilpotent orbits) in semisimple Lie algebras and give a number of interesting examples. (Received January 05, 2015)