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Gonzalez Villa Manuel* (villa@mathi.uni-heidelberg.de), Im Neuenheimer Feld 288, 69120 Heidelberg, Germany. *Inner jumping numbers of non-degenerate polynomials.*

The inner jumping numbers were introduced by Budur to relate two different measures of the complexity of the singularities of an effective divisor D on a nonsingular complex variety X : the jumping numbers of a pair (X, D) and the Hodge spectrum at a singular point of D . We give an elementary proof for an effective and combinatorial description of inner jumping numbers (< 1) of non-degenerate polynomials. We illustrate the results with a few concrete examples. (Received February 19, 2013)