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P E Hazard* (pete@math.sunysb.edu), Department of Mathematics, Stony Brook University,
Stony Brook, NY 11794-3651. *Henon Renormalisation and Unbounded Geometry.*

We extend results of de Carvalho, Lyubich and Martens in “Renormalisation in the Hénon Family I: Universality but Non-Rigidity” to include Hénon-like maps with arbitrary stationary combinatorics.

The most important new result is the strengthening of their theorem on generic unbounded geometry of the Cantor attractor for such maps, where we replace topological genericity with metric genericity. Namely in any one parameter family of Henon-like maps F_b , parametrised by the ‘average Jacobian’ b , we show the set of parameters such that F_b has unbounded geometry has full Lebesgue measure. (Received January 30, 2008)