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Thomas J Tucker* (tjtucker@gmail.com), Math Dept, University of Rochester, Rochester, NY 14610, and **Dragos Ghioca** and **Shouwu Zhang**. *The dynamical Manin-Mumford problem.*

We present counterexamples to the simplest formulation of a dynamical Manin-Mumford theorem, suggest possible modifications, and describe a series of results on rational functions giving the same canonical height (this may be viewed as a special case of the conjecture). (Received September 12, 2009)