

1165-11-227

Jason Bell, Keping Huang, Wayne Peng and **Thomas J Tucker*** (tjtucker@gmail.com),
Math Department, University of Rochester, Rochester, NY 14627. *A Tits alternative for rational functions.*

We prove some variants of the Tits alternative for rational functions. In particular, we show that in characteristic 0 there are no semigroups of rational functions of intermediate growth (that is, all have either polynomial or exponential growth). (Received January 18, 2021)