

# On localizations in minimal cellular automata model of two-species mutualism

Andrew Adamatzky<sup>1</sup> and Martin Grube<sup>2</sup>

<sup>1</sup> *University of the West of England Bristol BS16 1QY United Kingdom  
andrew.adamatzky@uwe.ac.uk*

<sup>2</sup> *Institut für Pflanzenwissenschaften Karl-Franzens-Universität Graz, Austria  
martin.grube@kfunigraz.ac.at*

---

**Appendix**

18 January 2009

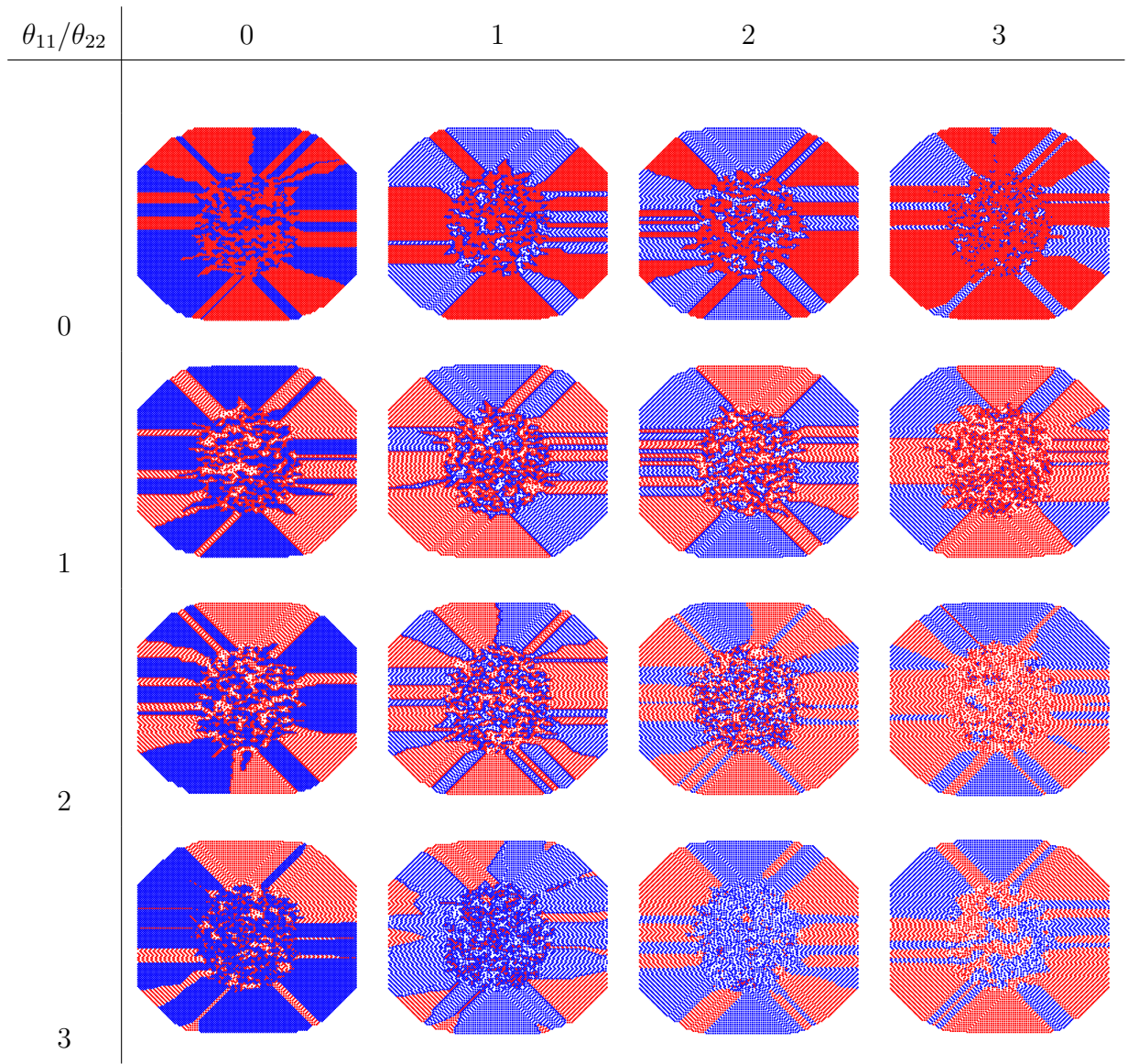


Fig. 1.  $\theta_{01} = 0, \theta_{02} = 0$

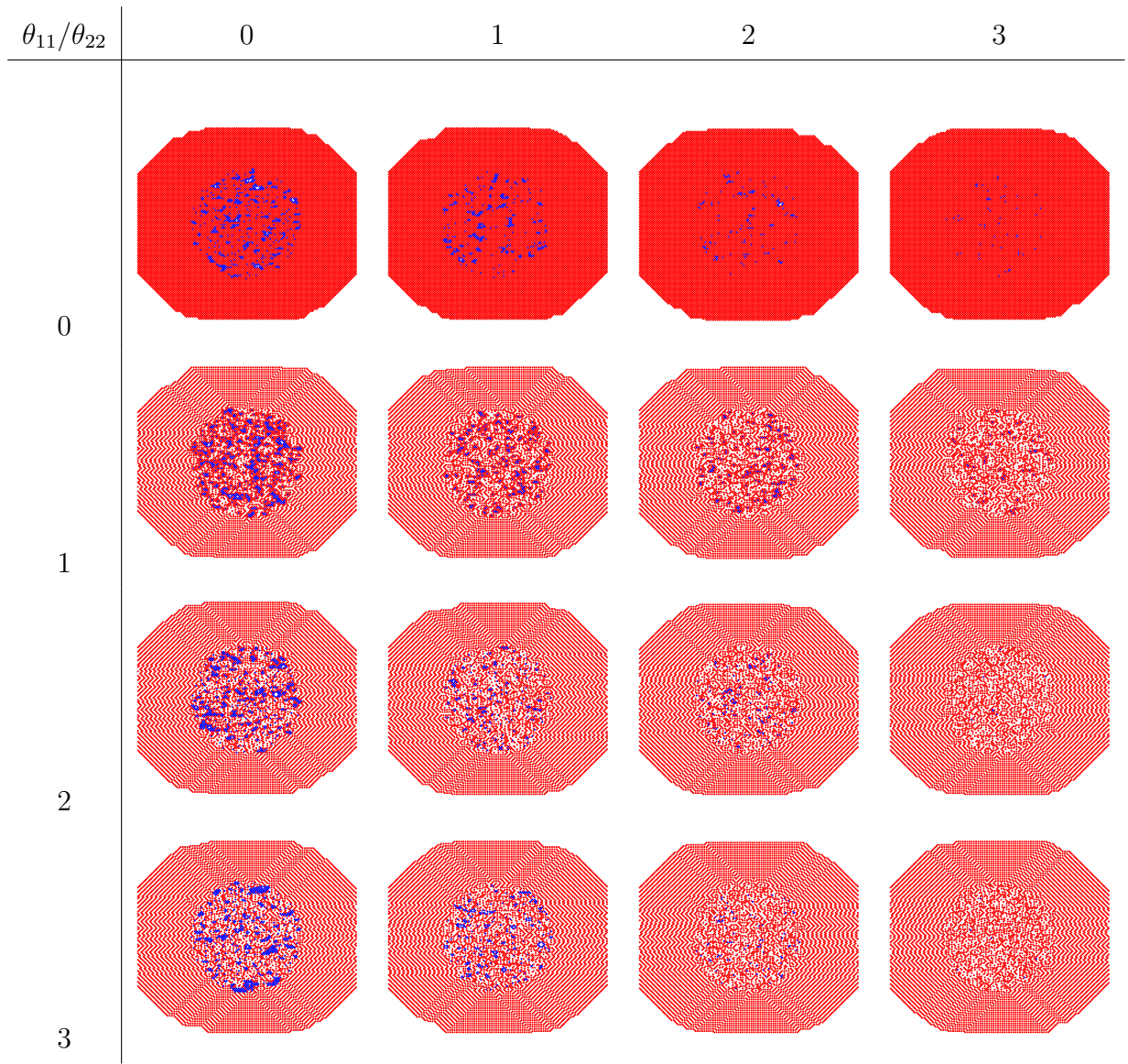


Fig. 2.  $\theta_{01} = 0, \theta_{02} = 1$

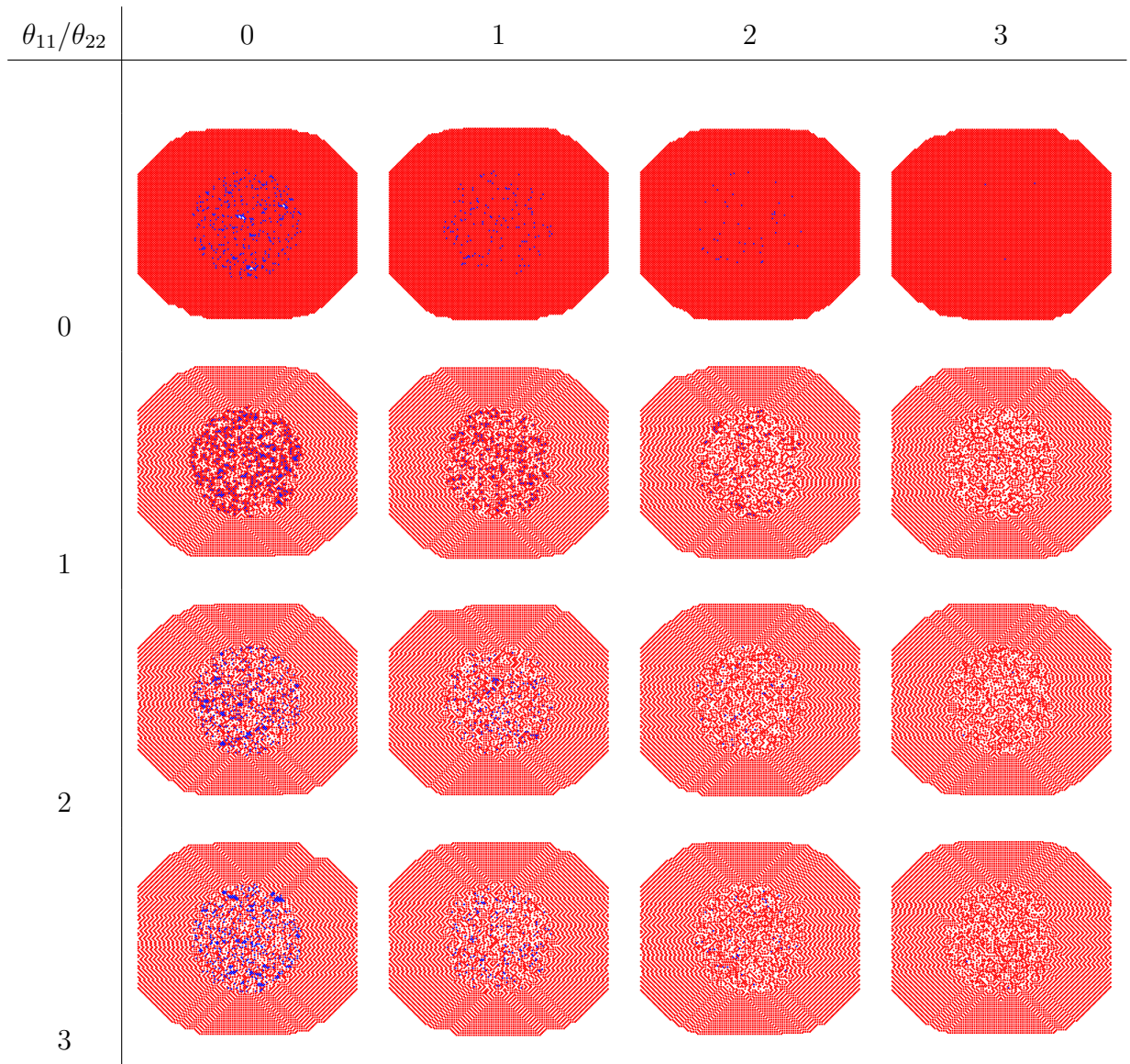


Fig. 3.  $\theta_{01} = 0, \theta_{02} = 2$

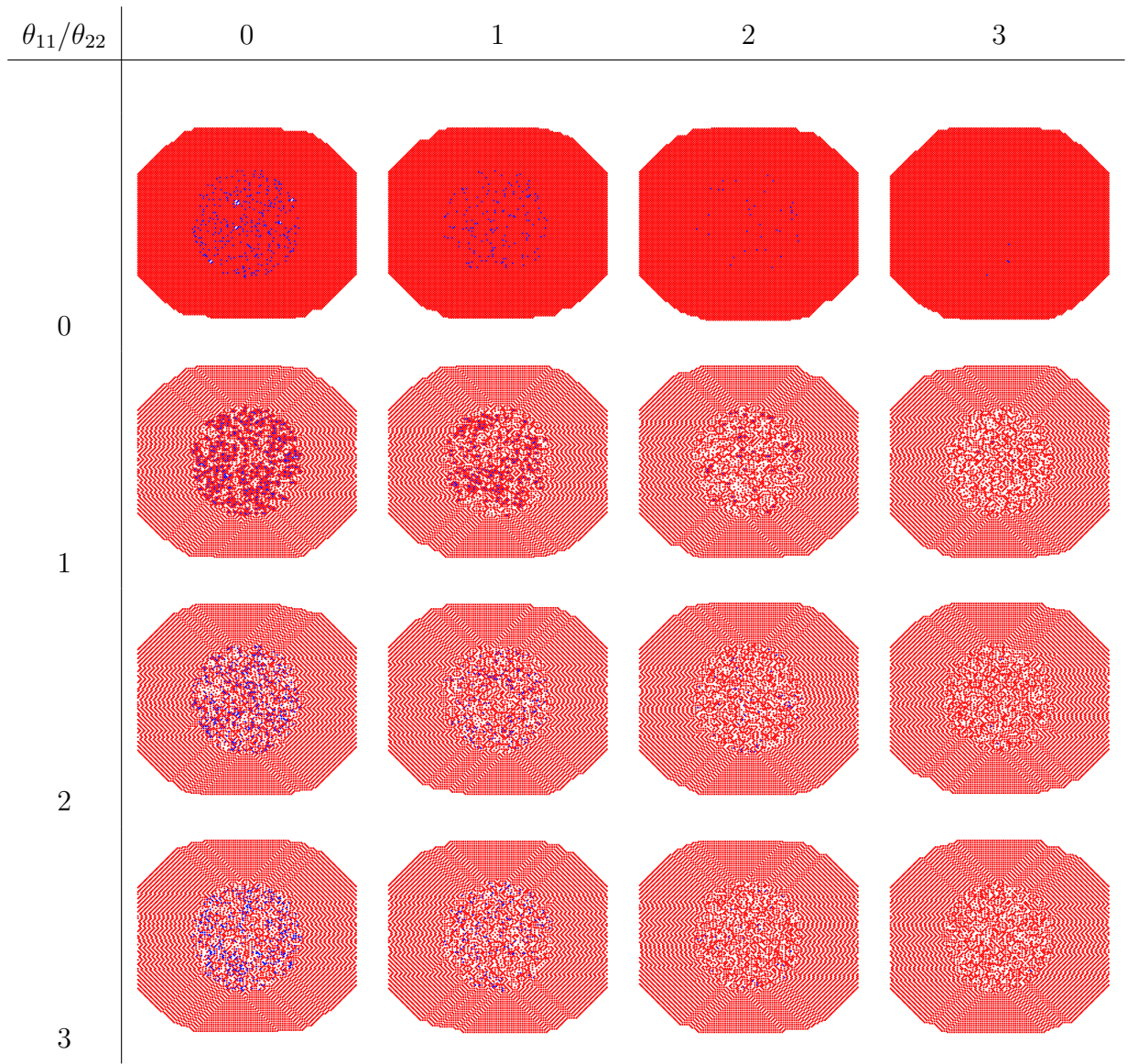


Fig. 4.  $\theta_{01} = 0, \theta_{02} = 3$

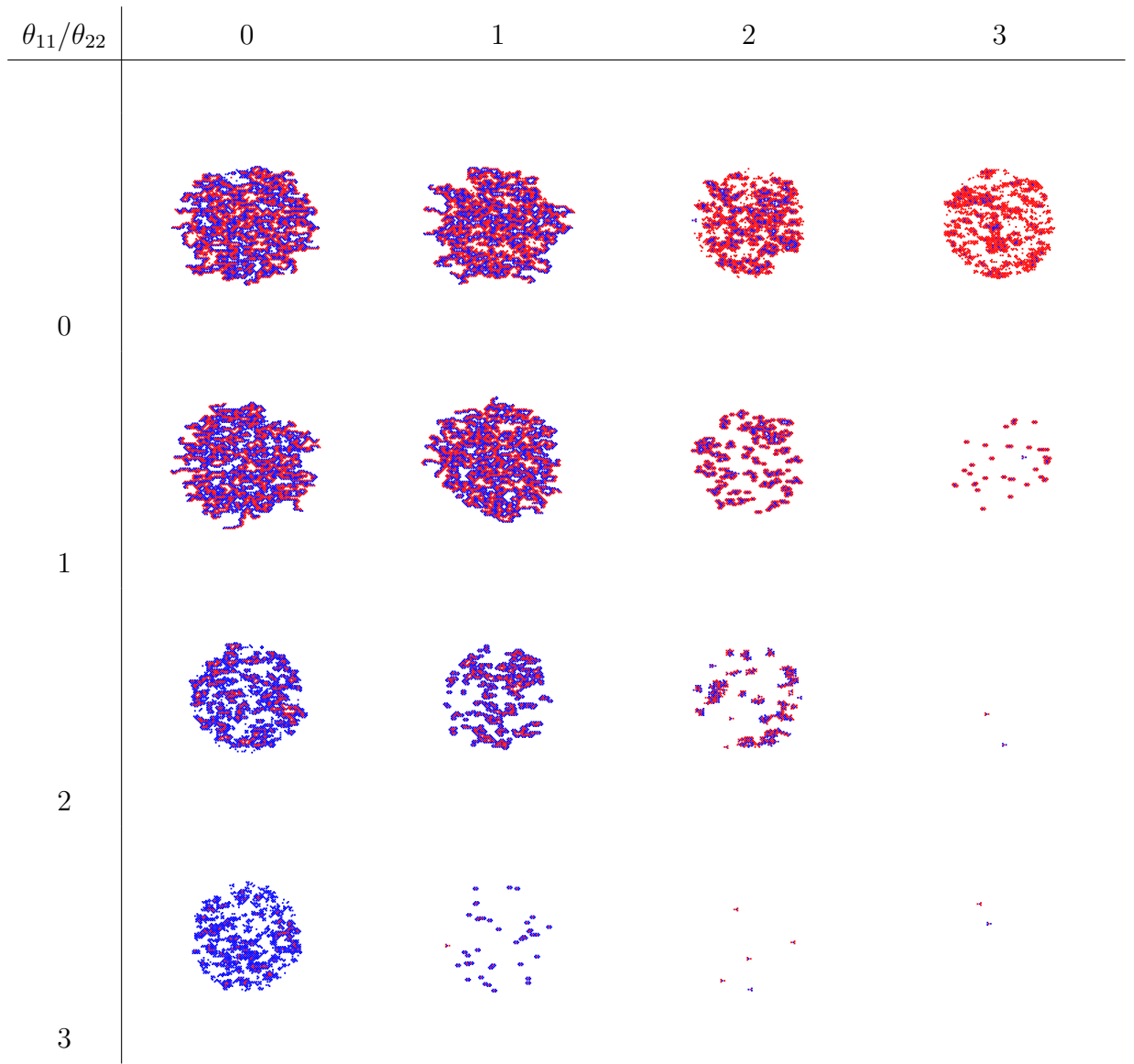


Fig. 5.  $\theta_{01} = 1, \theta_{02} = 1$

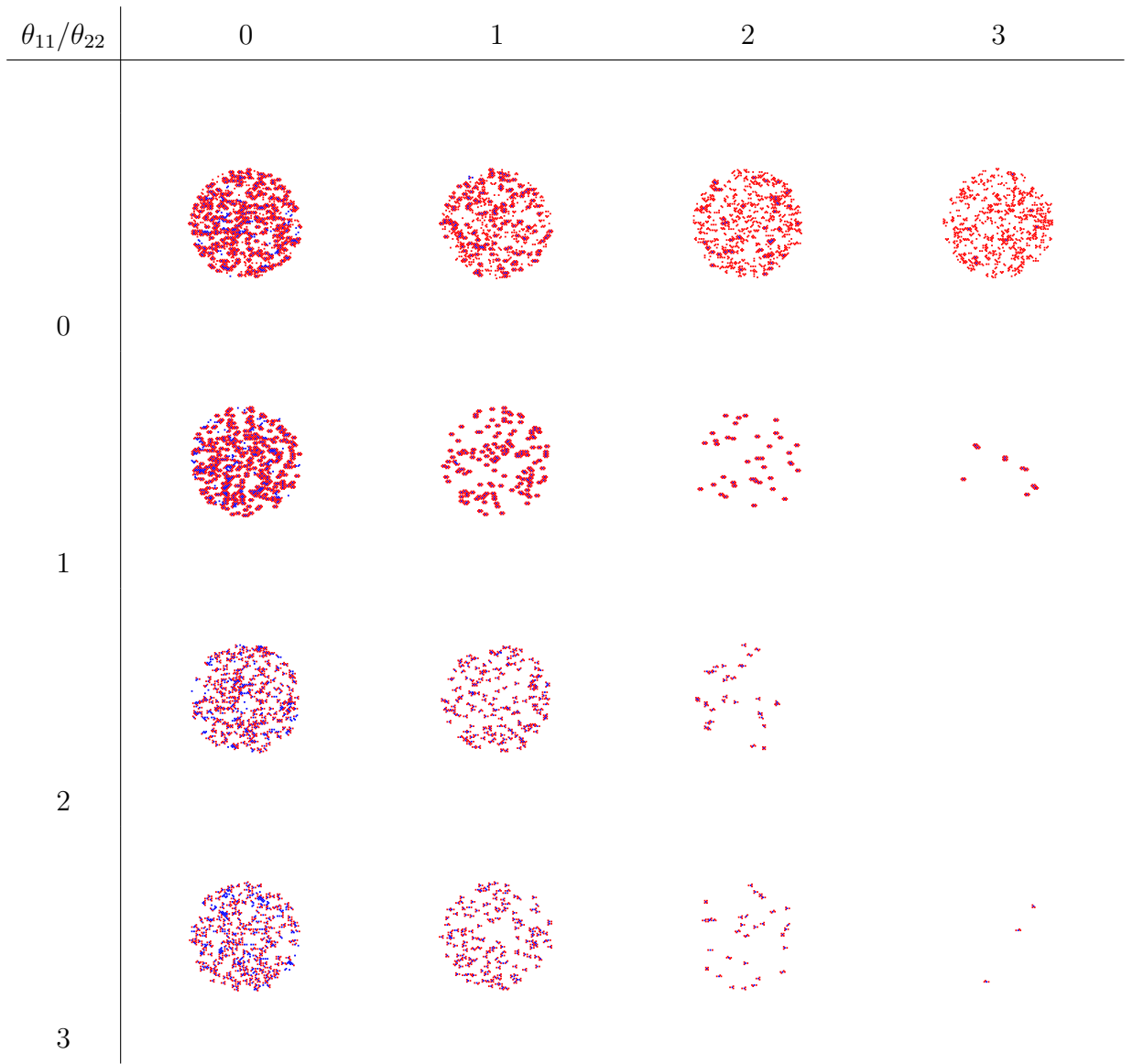


Fig. 6.  $\theta_{01} = 1, \theta_{02} = 2$

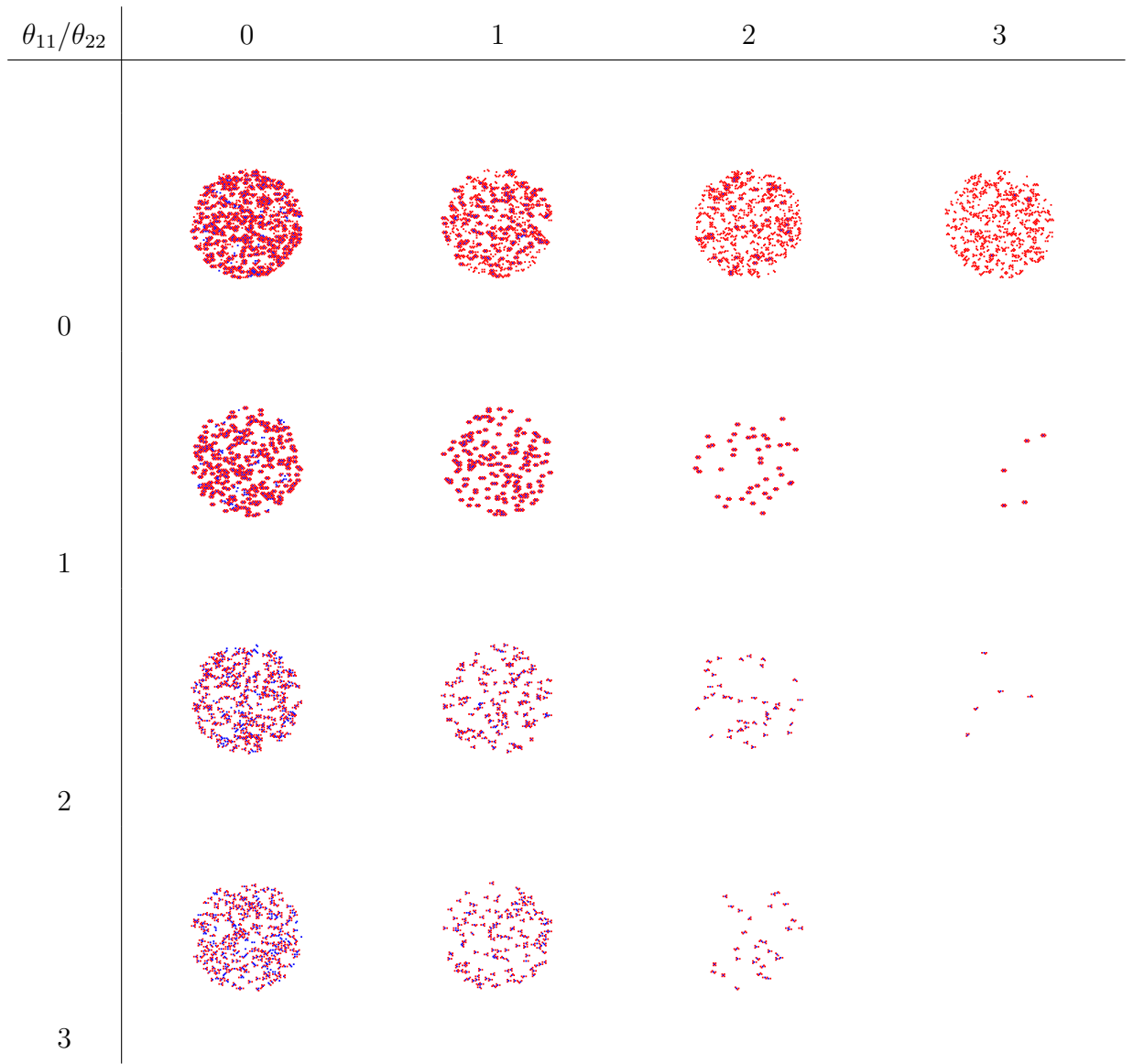


Fig. 7.  $\theta_{01} = 1, \theta_{02} = 3$

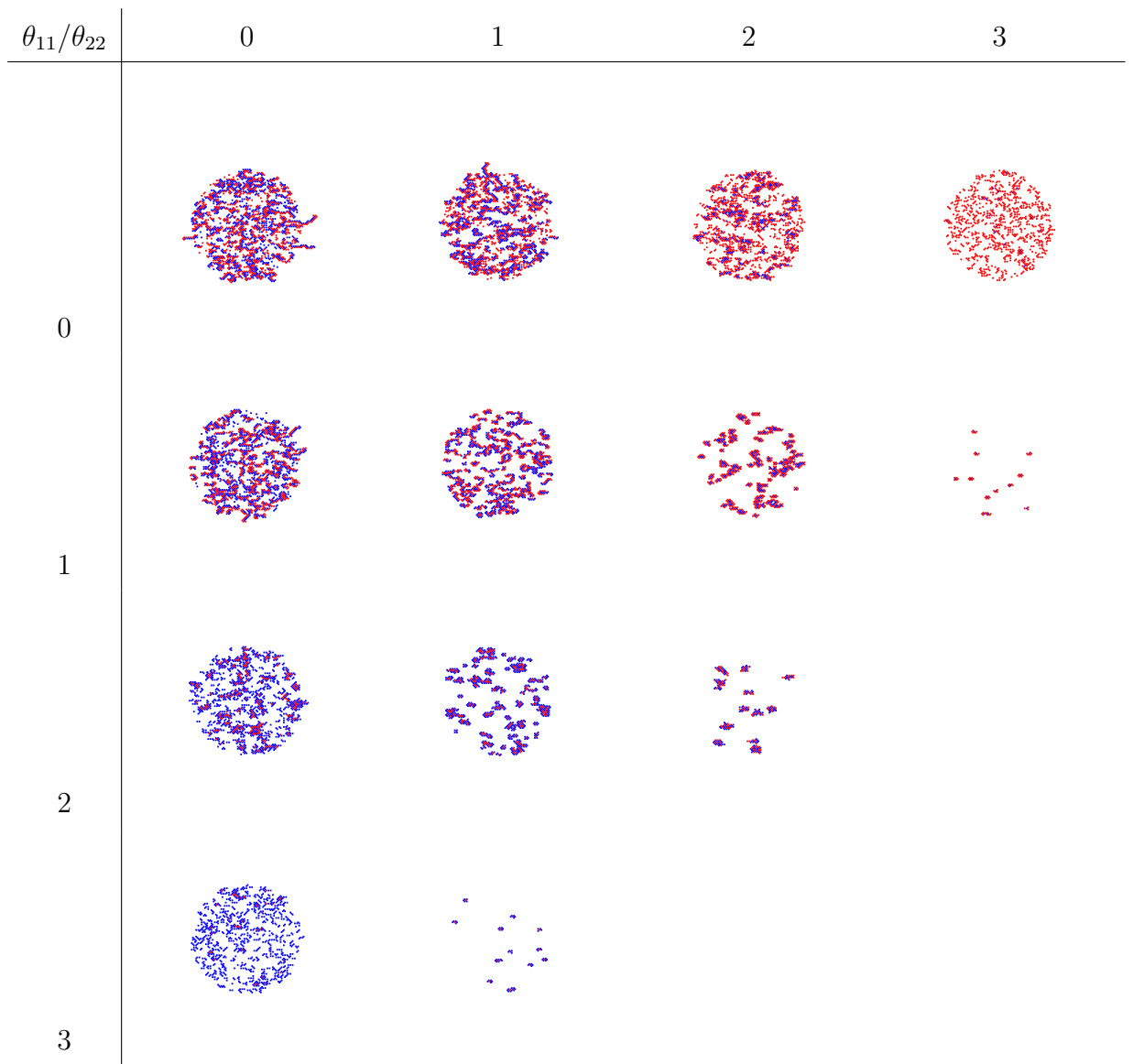


Fig. 8.  $\theta_{01} = 2, \theta_{02} = 2$

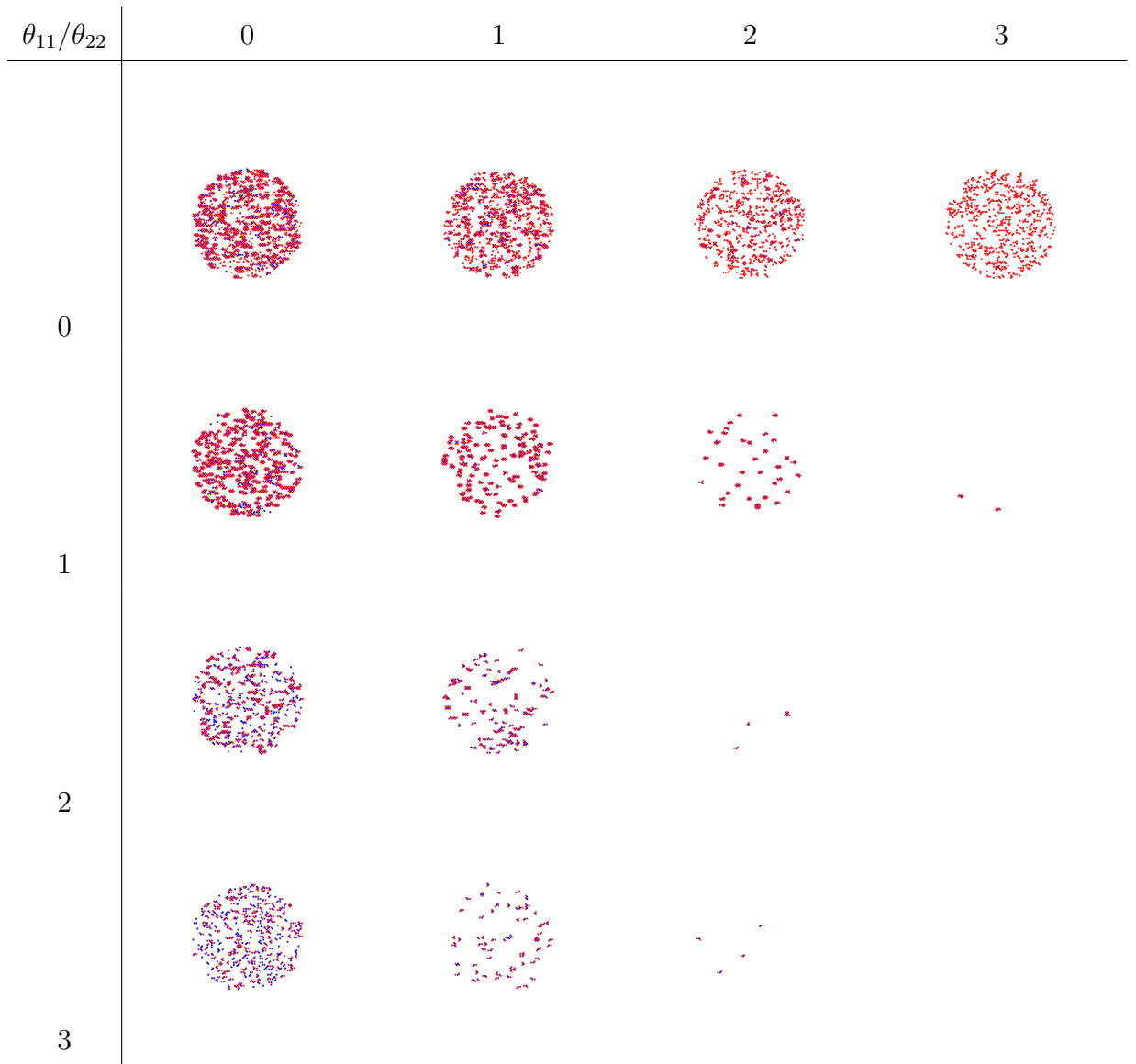


Fig. 9.  $\theta_{01} = 2, \theta_{02} = 3$

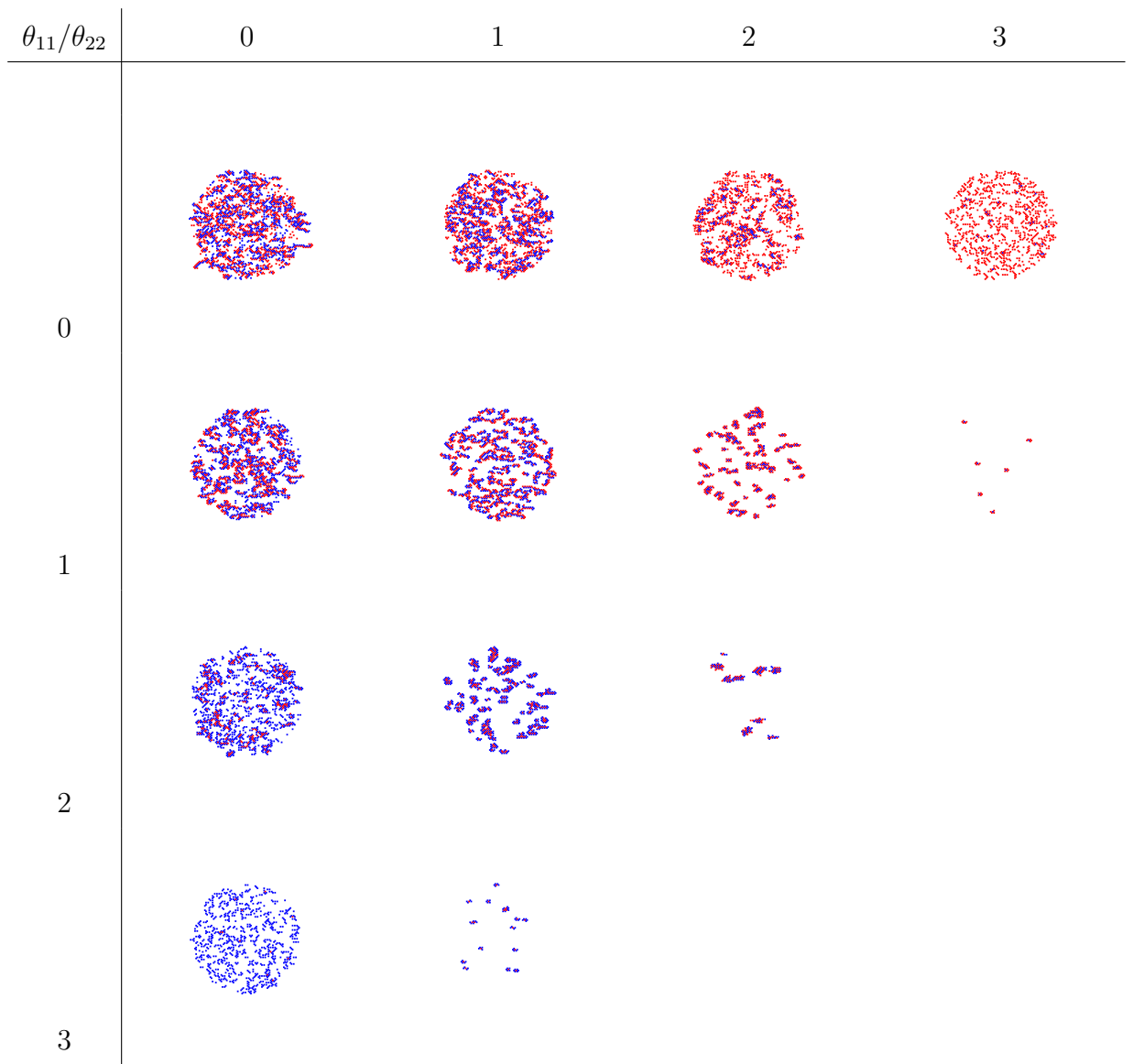


Fig. 10.  $\theta_{01} = 3, \theta_{02} = 3$