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Sourav Bhattacharya* (sourav@uab.edu). *Forcing minimal patterns of triods.*

A triod is defined as the set of complex numbers $z \in \mathbb{C}$ such that $z^3 \in [0, 1]$. Rotation numbers for maps of triods fixing the branching point was introduced by Blokh and Misiurewicz. We obtain a verifiable computational criterion for a triod pattern to not force another pattern of the same rotation number. We further show that these patterns can be conjugated to circle rotation. In the end we deduce an order among mixing patterns of triods. (Received September 20, 2021)