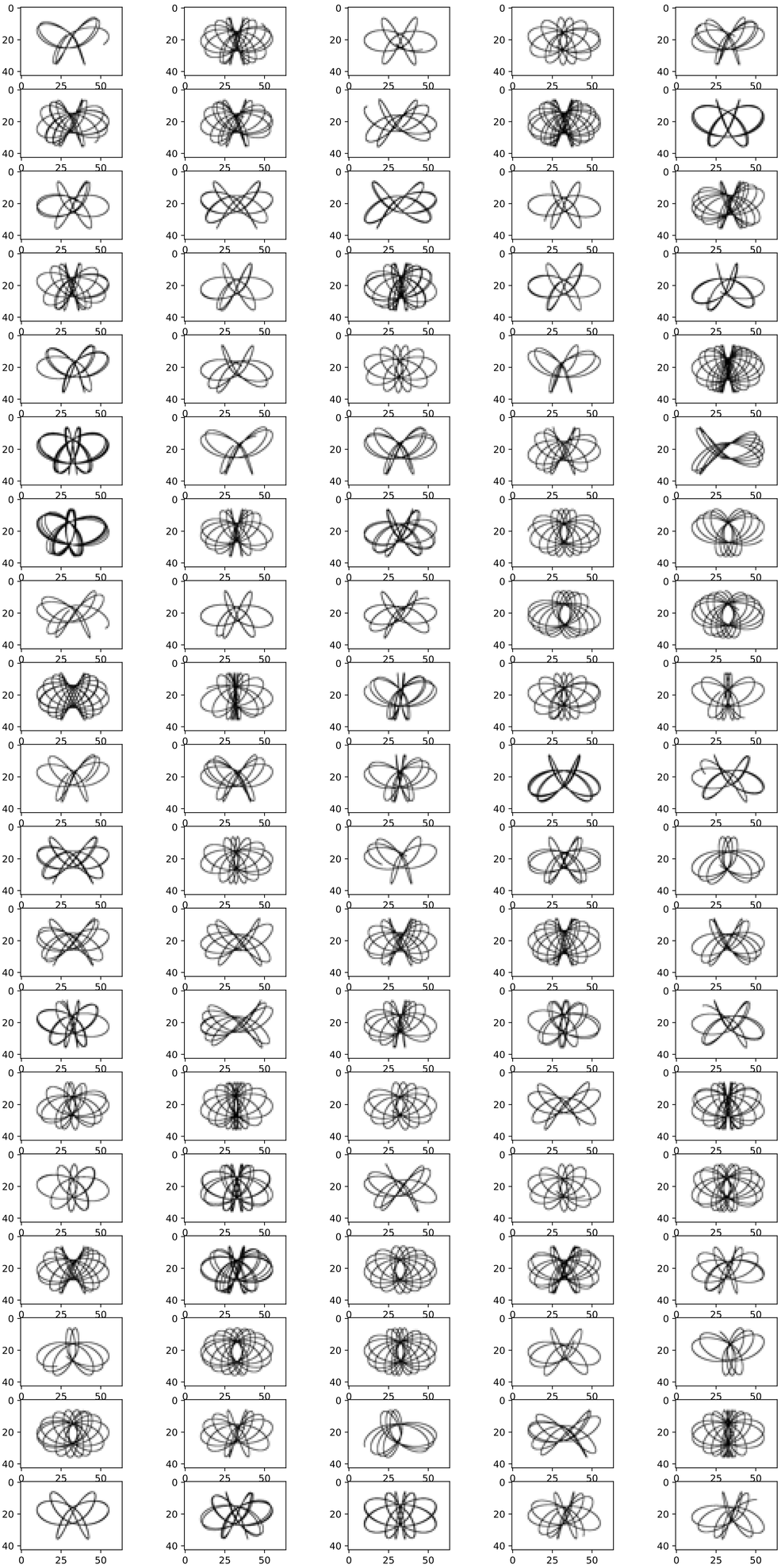Cluster 1