

## **Programming emergent symmetries with saddle-splay elasticity**

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## Description of Additional Supplementary Files

Supplementary Movie 1: 90° switching. -1/2 defects array in annuli pattern, which is switched into by the application of a small (0.5 V/mm) transverse, 90°-directional electric field as indicated by each yellow arrow in the movie.

Supplementary Movie 2: 180° switching. -1/2 defects array in annuli pattern, which is switched into by the application of a small (0.5 V/mm) transverse, 180°-directional electric field as indicated by each yellow arrow in the movie.