

SUPPLEMENTARY INFORMATION

Topological defects in cholesteric liquid crystals induced by chiral molecular monolayer domains

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Two movies are included as supplementary information for the manuscript.

Movie1.mov

Temperature ramp on a 8OCB:Cholesteryl-chloride mixture (1:1) viewed over a region that includes **single-arch twist-escaped disclinations**. The ramp is $-0.1\text{ }^{\circ}\text{C}/\text{min}$ from the Compensation Temperature (47°C) down to 40°C . Final pitch $p = -6.4\text{ }\mu\text{m}$. The cell gap is $15\text{ }\mu\text{m}$. Video plays at roughly 250x real time. Window size is $500\text{ }\mu\text{m}$.

Movie2.mov

Temperature ramp on a 8OCB:Cholesteryl-chloride mixture (1:1) viewed over a region that includes **double-arch singular disclinations**. The ramp is $0.1\text{ }^{\circ}\text{C}/\text{min}$ from 40°C up to the Compensation Temperature (47°C). Initial pitch $p = -6.4\text{ }\mu\text{m}$. The cell gap is $15\text{ }\mu\text{m}$. Video plays at roughly 250x real time. Window size is $200\text{ }\mu\text{m}$.