Organization of the polarization splay modulated smectic liquid crystal phase by topographic confinement

D K Y , R D , D C , E K , R S , K I , N V. S. R , D M. W , I. S , N A. C [a,1]

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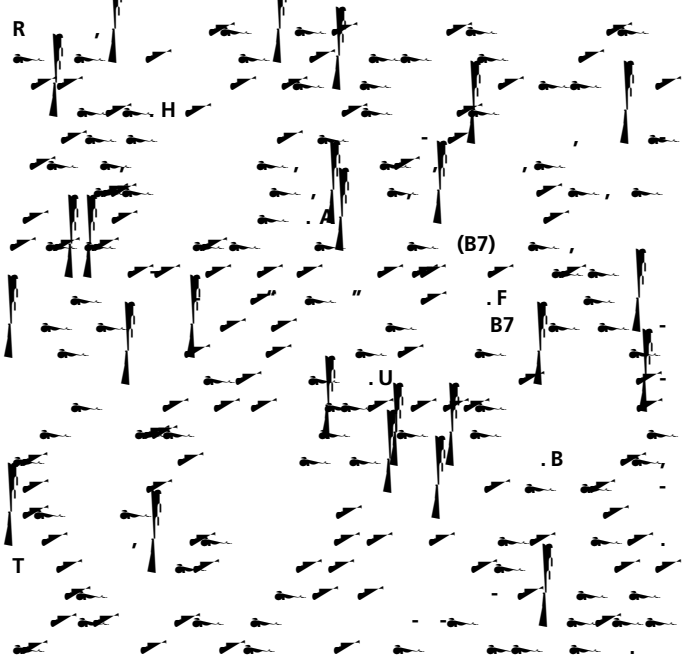


topographical confinement | monodomain | banana shaped | anchoring

p

q.

(, , , 10 μ , . . .),

μ

μ

10 μ

(*w*)

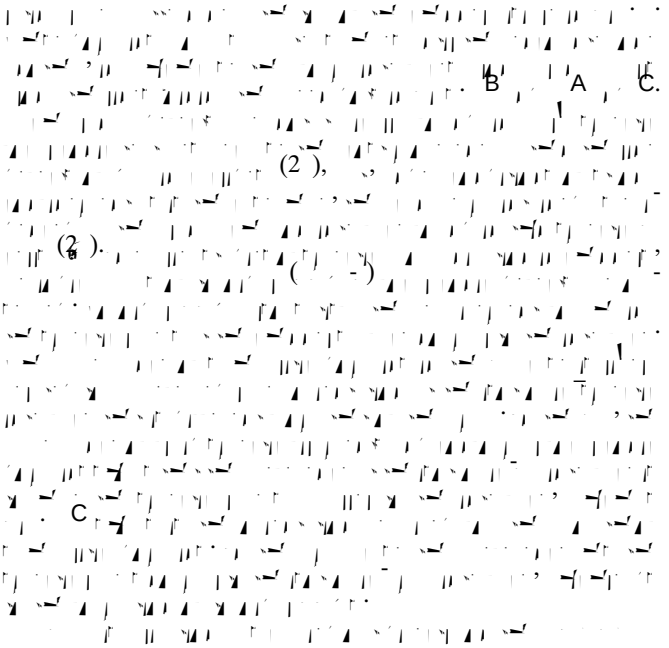
(*d*)

(100)

4 (22).

(

)


B
A
C.
(2),
(2).
C

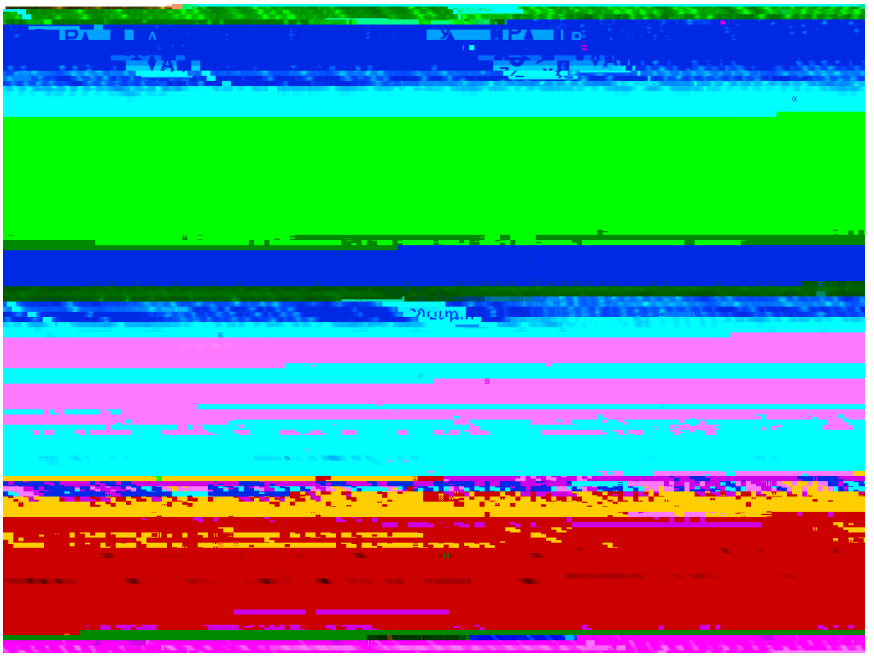
(1 , 1).

(.) (2).

(

S I

K Y 10.1073/ 1014593107



F . S1. Depolarized reflected light microscopic (DRLM) images of the channel confined B7 phase shows beautiful periodic optical textures over large areas. Rotating the sample through angles *A*, 0°, *B*, 10°, *C*, 30°, and *D*, 45° shows that the average optic axis is parallel