

Controlled Multistep Self-Assembling of Colloidal Droplets at a Nematic Liquid Crystal–Air Interface

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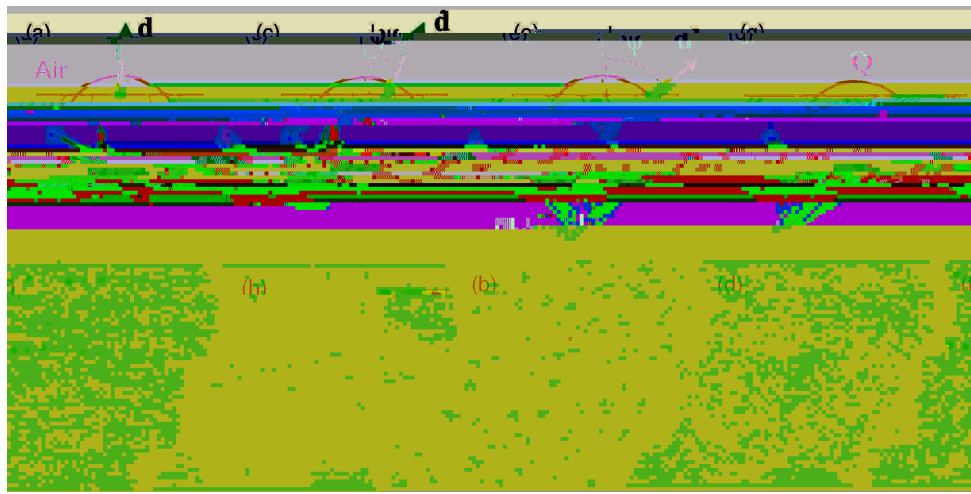
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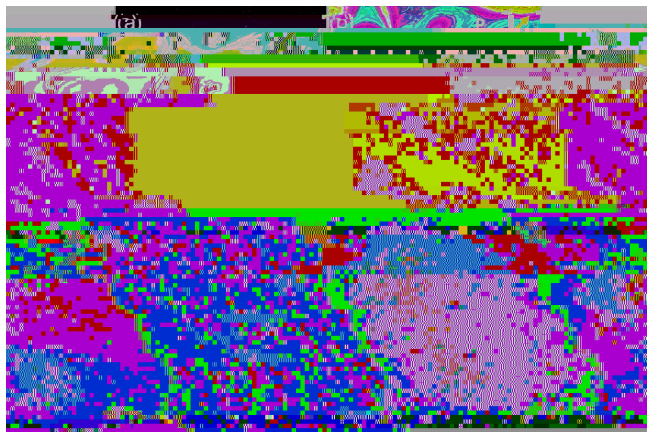
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1. () (, $D = 10, 0, 9$) , () (3, 0.6) , () (2, 0.7) , () (, 3.9) .
 , 1. 1 1.65 . 1() ,
 , . 1() 1() , . 1() .
 D , 30 ($\chi = 0.9, D = 0.3$) ,
 1.64 ,
 $a = 0.55$, . 2. 50 - 60 ($\chi = 1.5$,



()
 D
 D
 , . 1.
 , . 2. ()
 $\chi = 0.9$, $D = 0.3$. ()
 (30 -) . () -
 . ()
 (30
)
 , . 1() - 1()
 P , ()
 A
 , 4.12 4.08 . 1() ,
 ,

$D = 0.7$),
 , $.3()$,

, $.3()$ ^{a}
 - -
 $a,$

, 4().
 - U_{d-c} U_{c-c} .
 , ($N = 41$ $N' = 51$,
 - $= 55$, cc 50 ,
 - ,

