

lb

lb

lb



at, lat, all v a a t, l a r [17. v r,
 a a t, at, a lat, al v a a e t, a r -
 a t f r a t, al l t, f r a a l, r e e a l a t,
 f t, a a t, t, a r t, t, r at, r a a f
 a t, e [17. F t, r a , l v t, at, t,
 l a t, e a l v a f t, u r e a r a a l
 a r a spatial solitons—L e t, t, f-
 f e r f t, d, a v r r f l — r v u r a
 similaritons, a e a l e a f a t, al l t, l a
 a a t, a a r r a , f f a e t, a l a
 r a l r t, a a a [38. t, t, at, r e r
 l t, a a l a t, F . 3 r l a l v a l -
 a t, e e F . 4 t, at, n z r v
 q ¼ 0.

a a a , t, u r r v v e t, at,
 e r a l t, e a l a a a f r l t, l a r
 f r f r t, a a t, a l . f e t, a t, a
 a t, at, f f e l a F L, e a l v a
 e a t a t, a t, r e r a t t r t,
 t, e f r r l a l a t, f t, a a l . r v r,
 t, at, e r a l t, r e t l e t, r t, t, f-
 f e r f f e t, t, a a e a t f a e t, e a r
 a l a t, t r l f t a l l a t, f t,
 F L, r r r l t, t, r v e t, a f r l
 F L, f l a a t, e v e r e r a l t,
 a e t, a l l l t, e a t, v e e a a l t, e a l
 r, r, f r l a f l a t, l . e F L e a l
 r t, t, t, e f r f r t, t, F L e a l
 l t, — t, l e a l l r t, e t, l e a l r e t r -
 f l e f r a t, [16 — r r l t, a l r r t, v l
 r f a l l t, e a l f r a a t, t, a a
 t, e a l t r a e t, t, l a v a a t, -
 l r e a l l t, .

G . P. a . Ž. a e l r f r f a t, R
 (v a r S a a R a v a l D v a t, R) t r , S S

- [31] J. J. A. Janssen, *Phys. Rev. E* **66**, 036603 (2002).
- [32] J. P. A. Goossens, J. J. A. Janssen, and S. J. de Groot, *Phys. Rev. E* **9**, 021051 (2001).
- [33] J. J. A. Janssen, D. G. Semakula, and S. J. de Groot, *Phys. Rev. E* **78**, 013101 (2008).
- [34] J. J. A. Janssen, *Phys. Rev. E* **64**, 1424 (1999).
- [35] J. J. A. Janssen, P. P. A. Goossens, and S. J. de Groot, *Phys. Rev. E* **72**, 066614 (2005).
- [36] J. J. A. Janssen, R. P. A. Goossens, and S. J. de Groot, *Phys. Rev. E* **81**, 033101 (2010).
- [37] P. P. A. Goossens and P. P. A. Goossens, *Nematic and Cholesteric Liquid Crystals: Concepts and Physical Properties Illustrated by Experiments* (Routledge, 2006).
- [38] S. J. de Groot, P. P. A. Goossens, and J. J. A. Janssen, *Phys. Rev. E* **32**, 165 (2007).