

Erratum

Directed force chain networks and stress response in static granular materials

J.E.S. Socolar^{1,a}, D.G. Schaeffer², and P. Claudin³

¹ Department of Physics and Center for Nonlinear and Complex Systems, Duke University, Durham, NC 27708, USA

² Department of Mathematics and Center for Nonlinear and Complex Systems, Duke University, Durham, NC 27708, USA

³ Laboratoire des Milieux Désordonnés et Hétérogènes (UMR 7603), 4 place Jussieu, case 86, 75252 Paris Cedex 05, France

Eur. Phys. J. E **7**, 353-370 (2002)

Equation (28) contained an error, which induced errors in two figures. However, the text of the paper, including all conclusions drawn, is completely unaffected by the changes.

Equation (28) should read

$$D = \frac{4}{\sqrt{3}} \frac{1}{(p^2 + p^{-2})},$$

$$c = \frac{1}{\sqrt{3}}. \tag{28}$$

Inserting this corrected value of D into subsequent calculations yields the following corrected figures. The full figure captions in the original (not reproduced here) are unchanged.

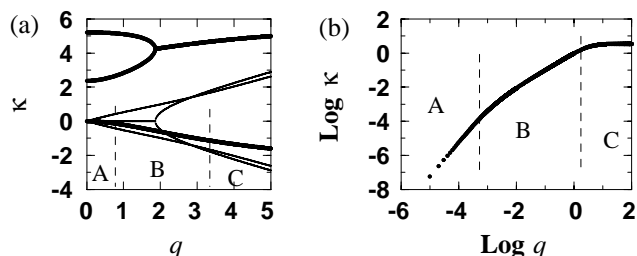


Fig. 6. The spectrum of eigenvalues of the linear operator governing perturbations in the vicinity of a fixed point for the case of the horizontal orientation of 6-fold star vectors.

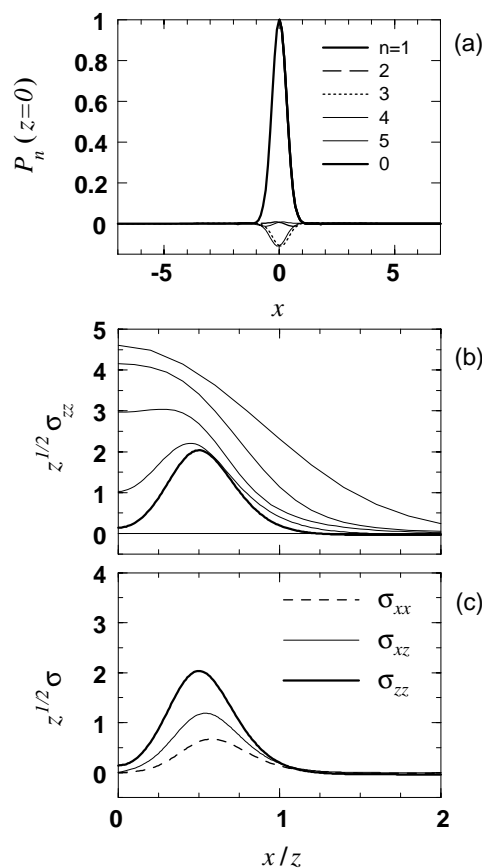


Fig. 7. Response functions for 6-fold star vectors in horizontal orientation.

^a e-mail: socolar@phy.duke.edu