



قطب علمی  
سیستم‌های پیچیده  
و ماده چگال



سمینار هفتگی ماده چگال نرم

## Helical bending instability in Electrospinning

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The problem of the electrical bending instability in charged polymer fibers is important in processes like electrospinning. We develop a theoretical model for the instability in visco elastic jets and show good agreement with our experimental data on electrospinning. We will show that the elastic tension in the threads plays an important role in the instability. Finally we will try to use our findings for controlling the shape of micro helical polymer structures produced by electrospinning.

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