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**Electrospinning of aqueous latex dispersions of water-insoluble polymers** FLORIAN GROSSMANN, BRUNO ECKHARDT, ALEKSANDAR STOILJKOVIC, ANDREAS GREINER, Philipps Universitaet Marburg — Electrospinning of aqueous dispersions of polystyrene latex spheres together with some polyvinylalcohol results in fibres with chains of polystyrene spheres as a backbone. The dynamics of the aggregation is modelled within an effective field ansatz for the flow and a two-particle potential for the latex sphere interactions. The simulations give backbones with different degrees of order and strength, in agreement with observations.

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