Electronic supplementary material to the article:
Mean Squared Displacement from Fluorescence Correlation Spectroscopy

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FIG. 1. MSD(t) for the Rouse model (Rouse), Kremer-Grest model in the Langevin thermostat (KG-Lan) and Kremer-Grest model with Lattice-Boltzmann hydrodynamics (KG-LB). For comparison, we show the MSD(t) of the centre of mass of the chain (g3(t)) and of a single monomer (g1(t)) averaged over all monomers of the chain.

FIG. 2. Analogue of Fig. 1, showing the scaled mean squared displacement MSD(t)/6D_N t.

FIG. 3. The FCS correlation functions, G(t, w) for all three considered models. For comparison, G(t, w) of a single particle performing normal diffusion with diffusion coefficient D^R_1 are shown as dashed lines.
FIG. 4. The scaled apparent mean squared displacement, $\text{MSD}^{\text{app}}(t, w)$, obtained from $G(t, w)$ for all three considered models. For comparison, the true mean squared displacement, $\text{MSD}(t)$ is shown as well.

FIG. 5. The ratio of the apparent mean squared displacement, and the true one for various values of $w$, for all three considered models.

FIG. 6. The ratio of the apparent mean squared displacement, and the true one for various values of $w$, for all three considered models.

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