Supplementary Material for Soft Matter

Polymer conformations in polymer nanocomposites containing spherical nanoparticles

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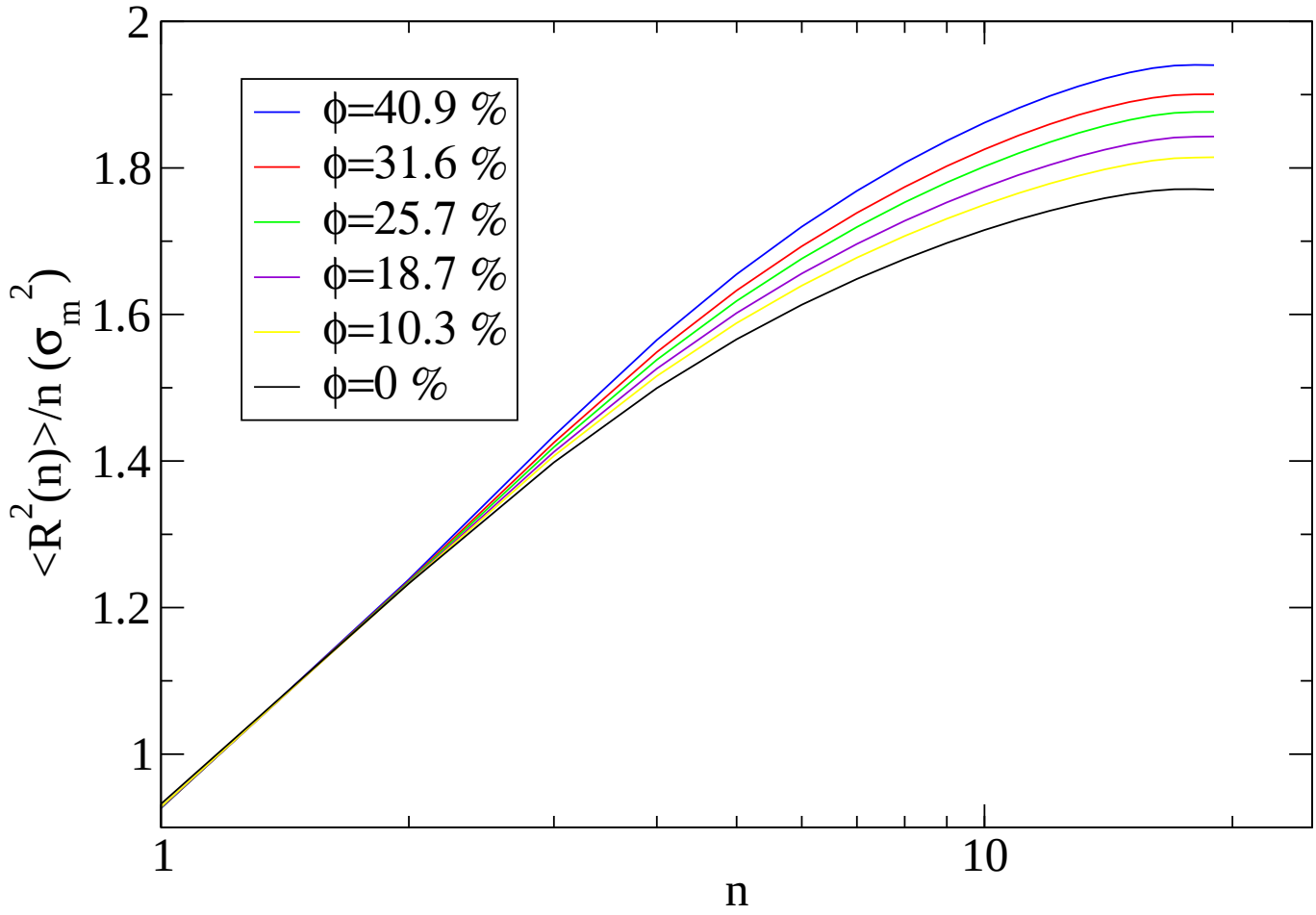

FIG. S1: Mean square internal distances for nanocomposites containing attractive nanoparticles ($R = 1$) for $N = 20$. Data corresponding to the different volume fraction ϕ are indicated in the legend.

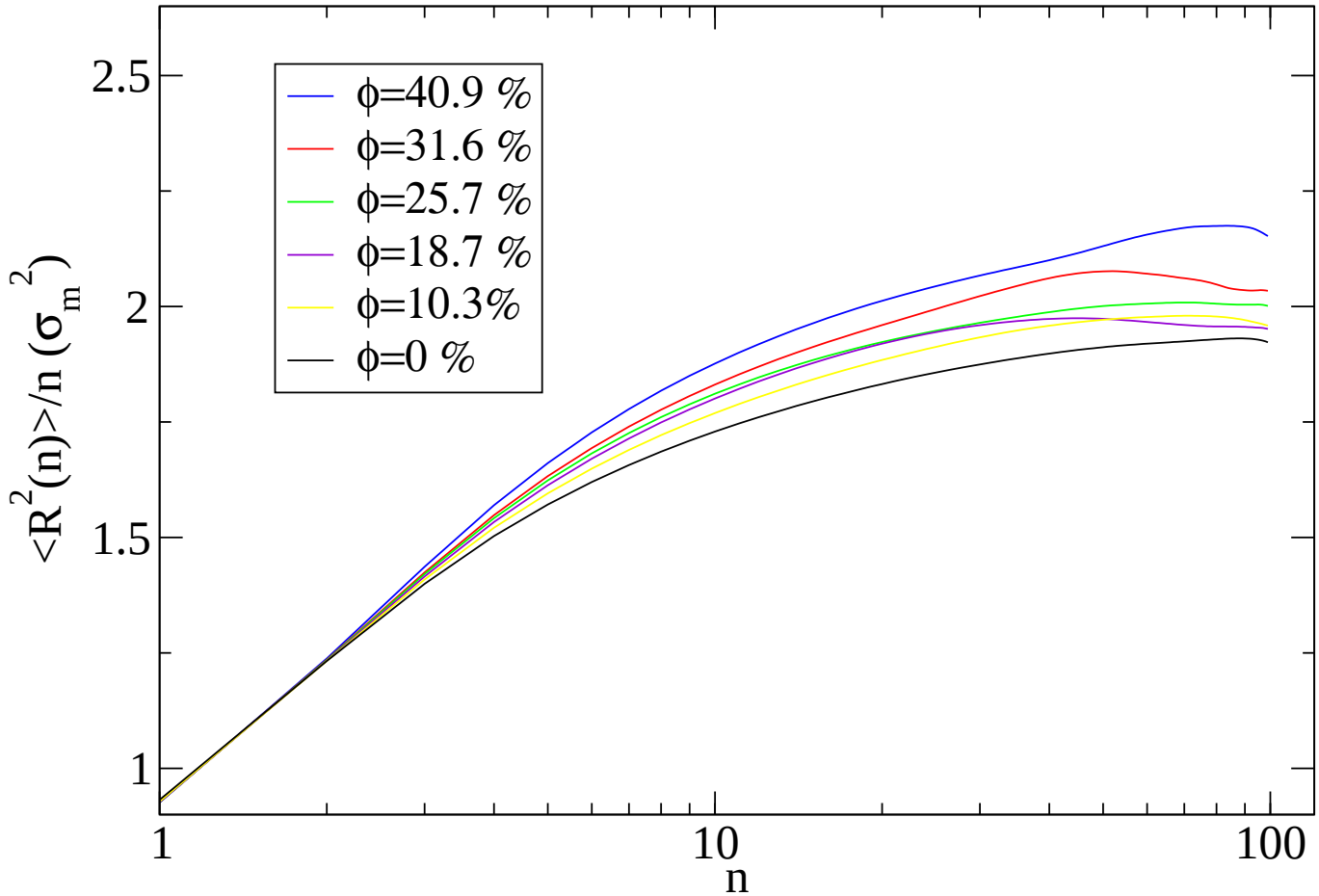

FIG. S2: Mean square internal distances for nanocomposites containing attractive nanoparticles ($R = 1$) for $N = 100$. Data corresponding to the different volume fraction ϕ are indicated in the legend.

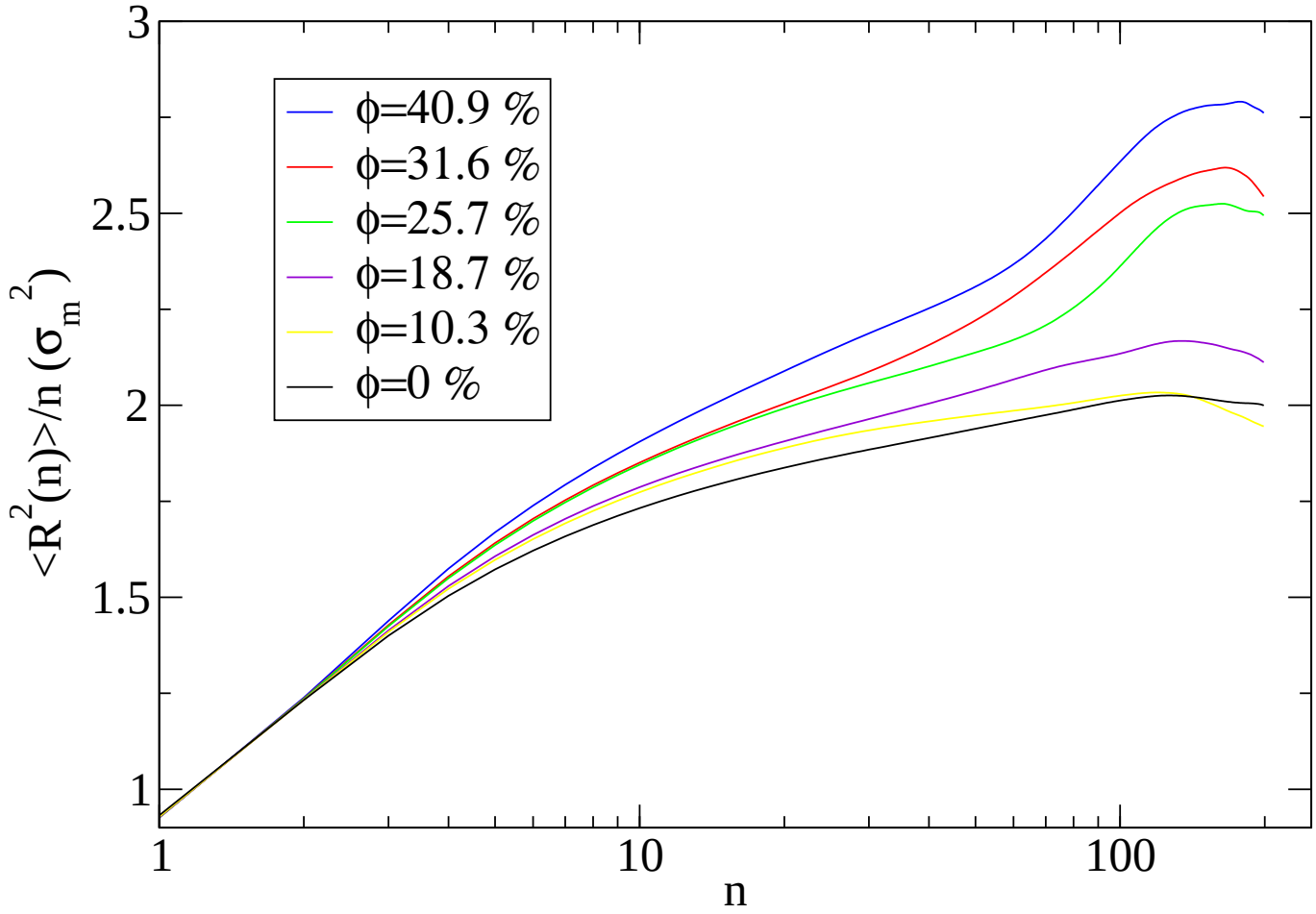

FIG. S3: Mean square internal distances for nanocomposites containing attractive nanoparticles ($R = 1$) for $N = 200$. Data corresponding to the different volume fraction ϕ are indicated in the legend.

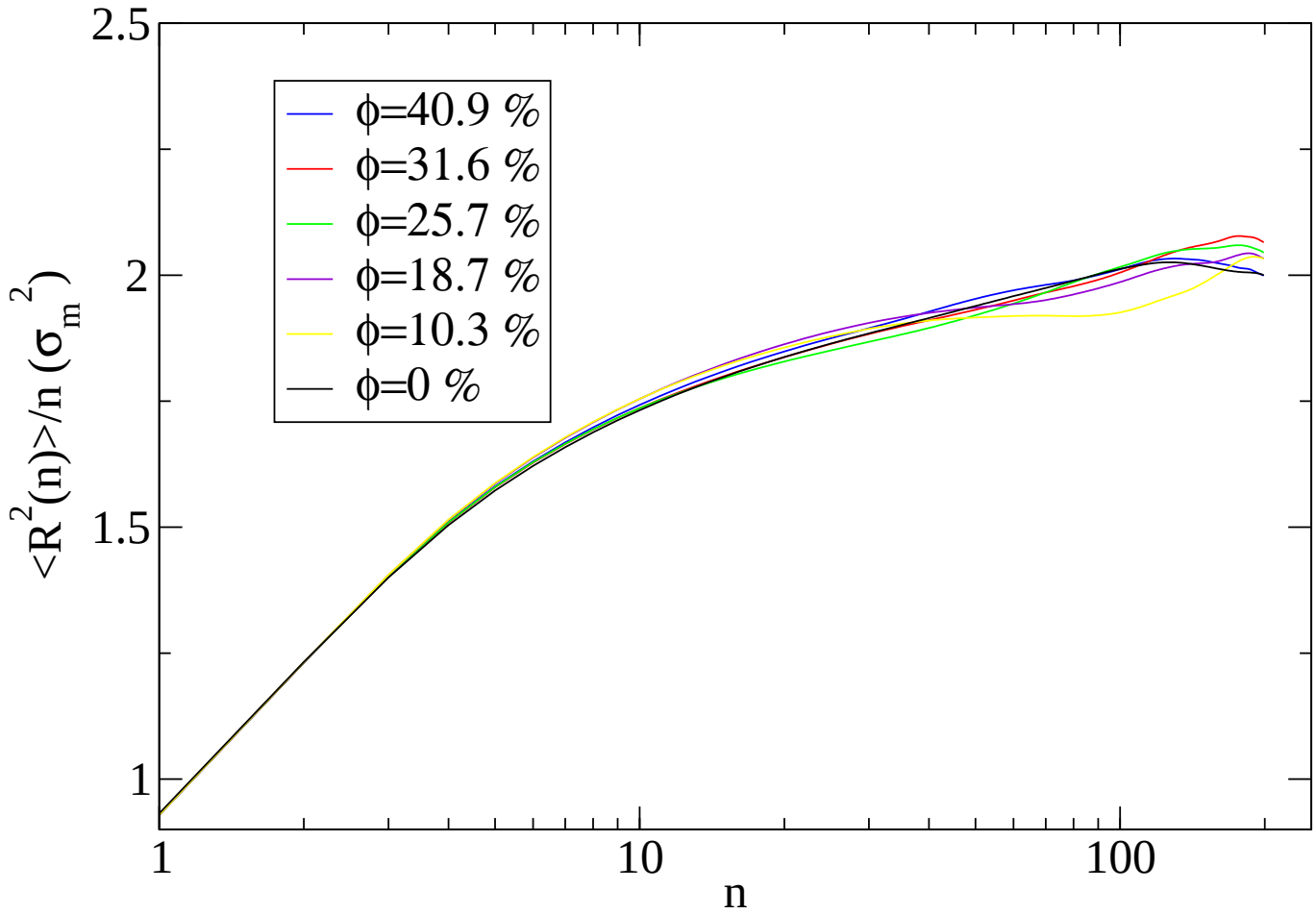

FIG. S4: Mean square internal distances for nanocomposites containing repulsive nanoparticles ($R = 1$) for $N = 200$. Data corresponding to the different volume fraction ϕ are indicated in the legend.

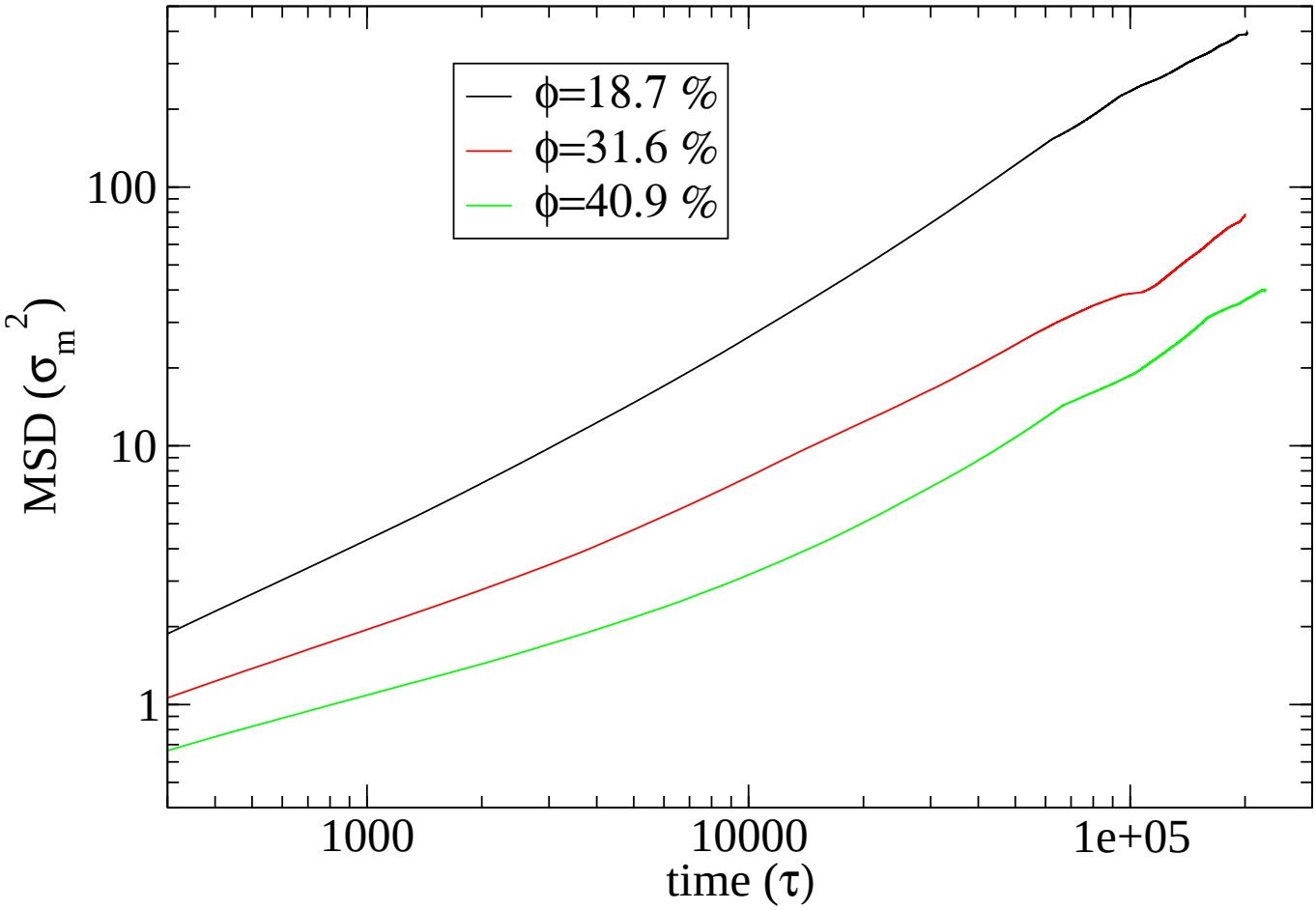

FIG. S5: Mean square displacement of attractive nanoparticles of radius $R = 2$ in nanocomposites with entangled polymers $N = 200$. Data corresponding to the different volume fraction ϕ are indicated in the legend.