Notebook	Function	Comments
discrete3Dmodel-meanB.nb	notebook containing the general procedure for minimizing	
	the total spring energy under the volume constraint.	
	Visualization of the side-view and front-view of the cylinder;	
discrete3Dmodel-meanB-Kb1.nb	notebook containing a loop over the spring constant Kc for a	
	constant Kb=1;	
discrete3Dmodel-meanB-	notebook containing a loop over the spring constant Kc for a	
Kb10.nb	constant Kb=10;	
continuous model-	notebook that numerically solves the dimensionless	
solutionODE.nb	differential equation for varying \delta, and \kappa_b.	
discrete3Dmodel-meanB-	notebook that can be used to generate the stretching in the	Notebook can run on the cluster when converting it to
experimental3kDa.nb	different directions for the experimental volume curve. By	a .wl notebook with cells as 'Initialization cells'.
	setting Ka, Kb, Kc before and after the transition, data can be	Experimental data must be placed in the same folder
	generated that can be compared to experiments with	during a run.
	'Analysis-experimental3kDa-model.nb'	
		Important (!): keep the notebooks with the set
		parameters in a single folder. The notebook does not
		export all parameters, so keep track of your data and
		corresponding parameters
Analysis-experimental3kDa-	Notebook that can plot the experimental data and the	All data from the notebook 'discrete3Dmodel-meanB-
model.nb	numerical results before and after the transition. The graphs	experimental3kDa.nb' and the experimental data
	are based on manual set parameters.	must be placed in the same folder as this notebook
		before running