the temporal average concentration of MinD protein along the membrane. As specified in the parameter sweep described in Table 1, the color intensity shows concentration of MinD protein as a function of position along the long axis of the cell (top), and the time series plot of the oscillations.

Figure 3: Geometry and mesh modeling of an E. Coli bacterium length, as specified in the parameter sweep described in Table 1. The color intensity shows concentration of MinD protein as a function of position along the long axis of the cell (top), and the time series plot of the oscillations.

MinD polar oscillations

DFSP algorithm is an approximate spatial stochastic simulation algorithm which aggregates a large number of di...