



**Figure 5.1. Initial structure of a double-bilayer system with a charge imbalance of 6  $\text{Na}^+$  ions per bilayer.** The sodium ion concentration is larger in the “inner” water bath between two DMPC bilayers (see text for details). The two lipid and water regions are complemented by ions; sodium ions in light and chloride ions with darker color. Adapted with permission from [34]. Copyright © 2007, American Chemical Society.