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Poisson Boltzmann equation for charged palettes

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Abstract
Electrostatic interaction between parallel charged palettes can be considered as a starting point to investigate the properties of complexes biological mater like AND-protein interactions. In this work, we solve numerically the Poisson Boltzmann equation to calculate the electrostatic potential between charged palettes immerged in aqueous solution containing monovalent salt. The electrostatic field and the ionic profile are also calculated.
Key words
Poisson Boltzmann equation, ADN protein, electrostatic interaction.

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