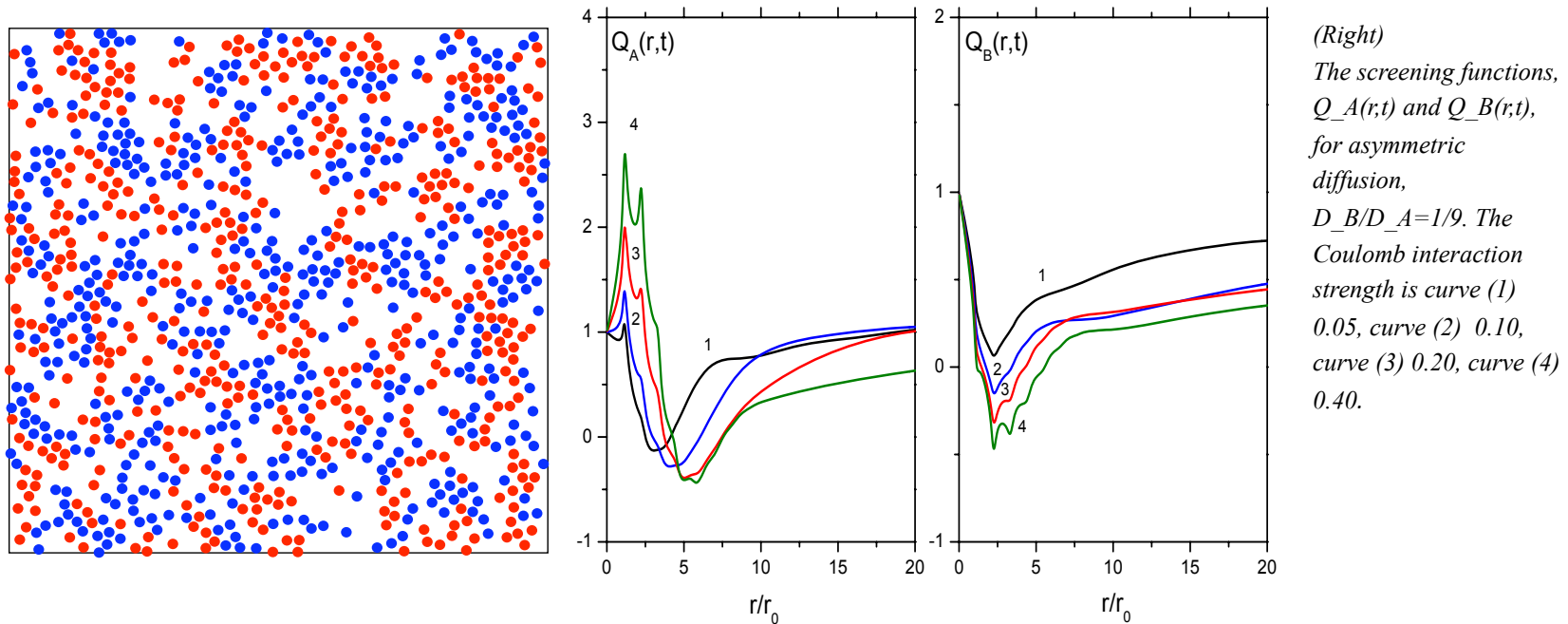


# Microscopic approach to the kinetics of pattern formation of charged molecules on surfaces

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- The kinetics of pattern formation of cationic-anionic co-assembly leads to the formation of modulated phases of opposite charge. We developed a formalism to compute time-dependent potentials that revealed a non-equilibrium screening processes. A strong deviation from the standard Debye-Huckel theory is demonstrated.



Future directions: Applied an electric field parallel and perpendicular to the surface to explore the consequences of non-equilibrium screening.