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Determination and classification of the effective potentials between nanoparticles and nanopores within bilayer-membranes versus their geometry and density.

Experimental inspiration

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Abstract

The purpose of this work is a quantitative determination of the effective interaction potential, upon distance, between inert nanoparticles or (parallel or crossed) nanopores which are inserted in a bilayer-membrane. The expected effective pair-potential is the sum of a repulsive part and an attractive one. The expression of this repulsive part that originates from the thermal

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