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ON SEVERAL VIRIAL COEFFICIENTS FOR THE HARD SPHERE POTENTIAL

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Abstract

The present article is a revised and detailed version of my poster [2], in which I mistook the complex residue calculus at almost all the cluster integrals. Here instead I try to calculate the integrals by a direct method of real convolution of radial functions.

Key Words : Cluster integral, Imperfect gas, Virial expansion.

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